BASIC DATA RELATING TO THE NATIONAL INSTITUTES OF HEALTH 1973 - 1978

GRANTS

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BASIC
DATA
RELATING TO THE

NATIONAL INSTITUTES OF HEALTH 1977

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service National Institutes of Health

Prepared by the staffs of the
Office of Program Planning & Evaluation
and the
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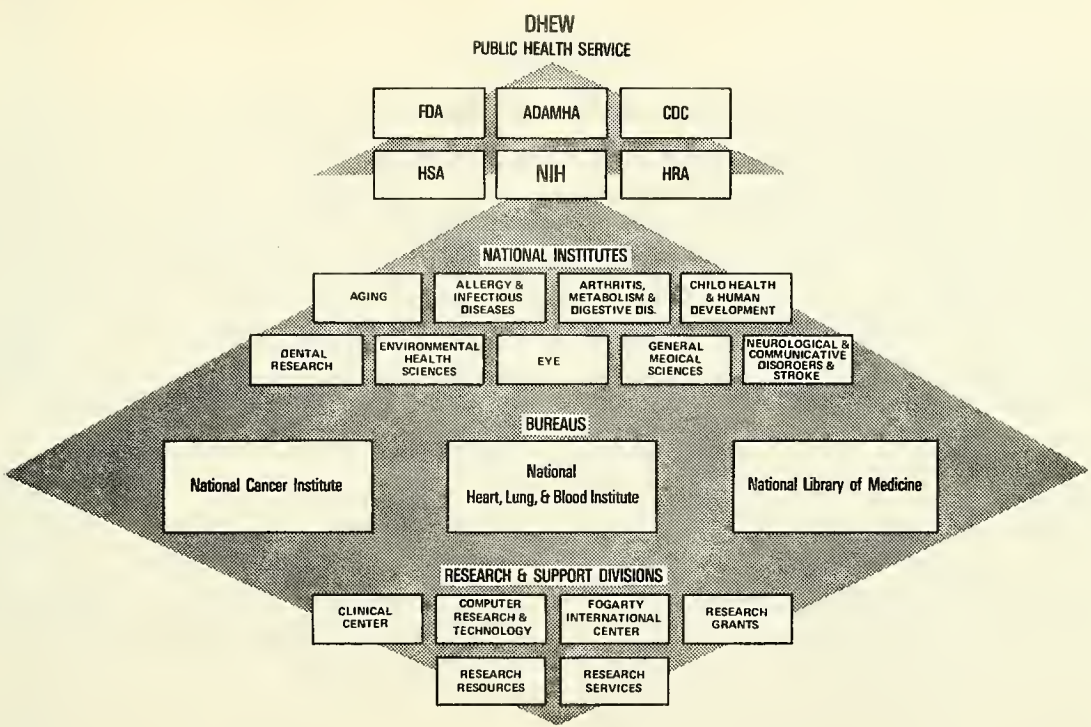
NATIONAL INSTITUTES OF HEALTH

February 1977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TECHNICAL NOTE

Basic Data Relating to the National Institutes of Health has been published annually since 1961. Single copies of the current issue are available at NIH information offices.

Data are derived from NIH records and studies unless otherwise noted. The Special Projects Branch, DLA-OPPE, plans, edits, and publishes. The Division of Resources Analysis, OPPE, develops the data on national support for health R&D from annual surveys and other sources. The Statistics and Analysis Branch, DRG, compiles the data on NIH awards. The Divisions of Financial Management and Personnel Management, OA, are the sources of information on NIH budget and staff. (See "Abbreviations," page 53.)

Programs that have been transferred out of NIH — NIMH, DRMP, DBS, and BHME — are excluded from all data except national and Federal time series. DRR, though located in BHME from 4/68 to 9/70, is always included with the institutes and research divisions. The NIMH portion of GRS grants, which are administered by DRR, is included in all award data through 1974. See "Chronology," page 49, for major organizational changes.

"Health R&D" denotes medical and health-related projects, resources, and general support, but no training or construction. In Health R&D series, the NIH component (pages 1-6) contains certain items not classified as R&D in other tables on obligations, such as foreign currency programs and portions of cancer control, NLM, and program management.

Funds withheld in FY 1973 and later released for use are reflected in 1974 and 1975 obligation and award data. All award data exclude scientific evaluation grants. Research career program awards are included under research project grants and total research grants unless shown separately or noted. Supplemental awards, unless noted, are combined with their parent awards or with other supplements when made from the same fiscal-year funds, and are always excluded from number of individual training awards.

Differences between "obligations" and "awards" are due to differences in treatment of certain items (cancer control, scientific evaluation grants, GRS programs, etc.) in the accounting methods used by the various data sources. The largest difference reflects the handling of cancer control, which is identified in obligations tables but integrated with R&D grants and contracts in award presentations. Details may not add exactly to totals because of rounding.

W.T. Carrigan and Ann B. Armstrong, editors
(301-496-4591)

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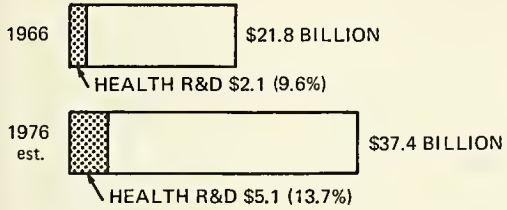
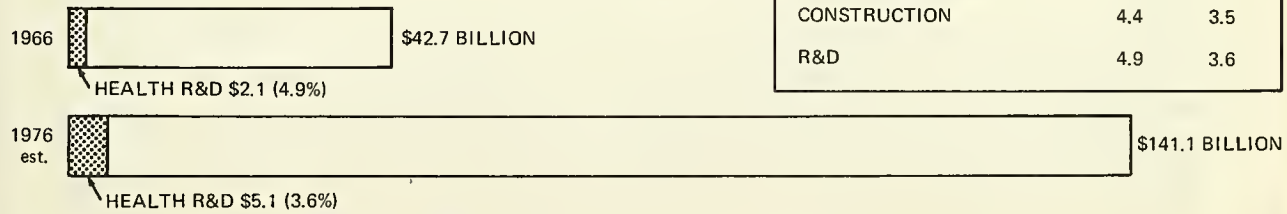
Figure 1
NATIONAL HEALTH R & D, 1966 AND 1976, AS A PROPORTION OF . . .

*. . . TOTAL R&D COST**



. . . TOTAL HEALTH COST†



PERCENTAGE DISTRIBUTION OF TOTAL HEALTH COST BY CATEGORY

TOTAL	1966 100%	1976 est. 100%
HOSPITAL & NURSING-HOME CARE	36.7	46.8
PHYSICIANS', DENTISTS' & OTHER PROFESSIONAL SERVICES	30.2	26.5
DRUGS, APPLIANCES, & OTHER EXPENSES	23.8	19.6
CONSTRUCTION	4.4	3.5
R&D	4.9	3.6

*Source: NSF and NIH. †Source: SSA, with adjustments of R&D (and therefore of totals) to conform with NIH data.

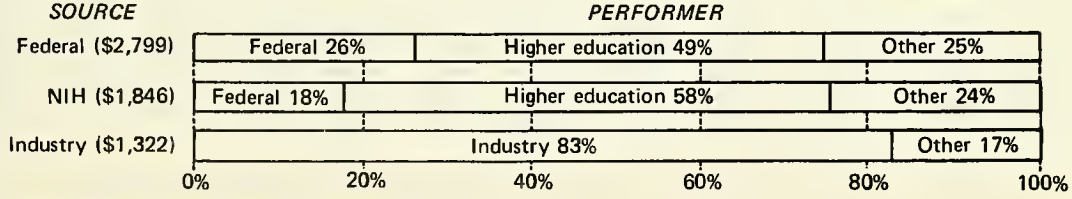
Table 1
NATIONAL SUPPORT FOR HEALTH R&D BY SOURCE OR PERFORMER, 1961-1975*
(In millions of dollars)

Sector	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
Total of *A* or *B*	**$1,096**	**$1,337**	**$1,526**	**$1,690**	**$1,884**	**$2,104**	**$2,338**	**$2,553**	**$2,762**	**$2,805**	**$3,107**	**$3,454**	**$3,667**	**$4,390**	**$4,610**
A. BY SOURCE OF FUNDS															
Government	655	866	1,008	1,140	1,277	1,428	1,581	1,707	1,817	1,817	2,040	2,326	2,426	2,976	3,038
Federal	574	782	919	1,049	1,174	1,316	1,459	1,582	1,674	1,667	1,877	2,147	2,225	2,754	2,799
NIH	376	495	566	651	715	791	812	864	893	873	1,039	1,271	1,323	1,737	1,846
State	81	84	89	91	103	112	122	125	143	150	163	179	201	222	239
Industry	312	336	375	400	450	510	580	661	754	795	860	925	1,033	1,187	1,322
Private nonprofit	129	135	143	150	157	166	177	185	191	193	207	203	208	227	250
Foundations	40	40	41	43	42	44	46	49	47	47	57	53	51	54	64
Voluntary health agencies	37	38	40	42	45	47	54	57	61	61	63	63	70	84	93
Other	52	57	62	65	70	75	77	79	83	85	87	87	87	89	93
B. BY PERFORMER															
Government	185	236	280	308	346	398	426	482	539	575	661	716	758	814	825
Federal	164	215	250	272	305	345	369	403	458	489	568	609	629	668	717
State & local	21	21	30	36	41	53	57	79	81	86	93	107	129	146	108
Industry	322	354	397	438	483	560	653	725	813	828	889	964	1,042	1,230	1,350
Private nonprofit	557	701	796	888	993	1,079	1,184	1,260	1,316	1,315	1,445	1,658	1,713	2,155	2,230
Higher education	418	536	606	673	749	822	918	983	1,035	1,024	1,127	1,305	1,342	1,678	1,743
Other	139	165	190	215	244	257	266	277	281	291	318	353	371	477	487
Foreign	32	46	53	56	62	67	75	86	94	87	112	116	154	191	205

*Reflects 1978 revisions in State health R&D. Data for 1976 and 1977, for Tables 1-4, will be available in April 1977 from Division of Resources Analysis, OPPE/NIH, (301) 496-9291.

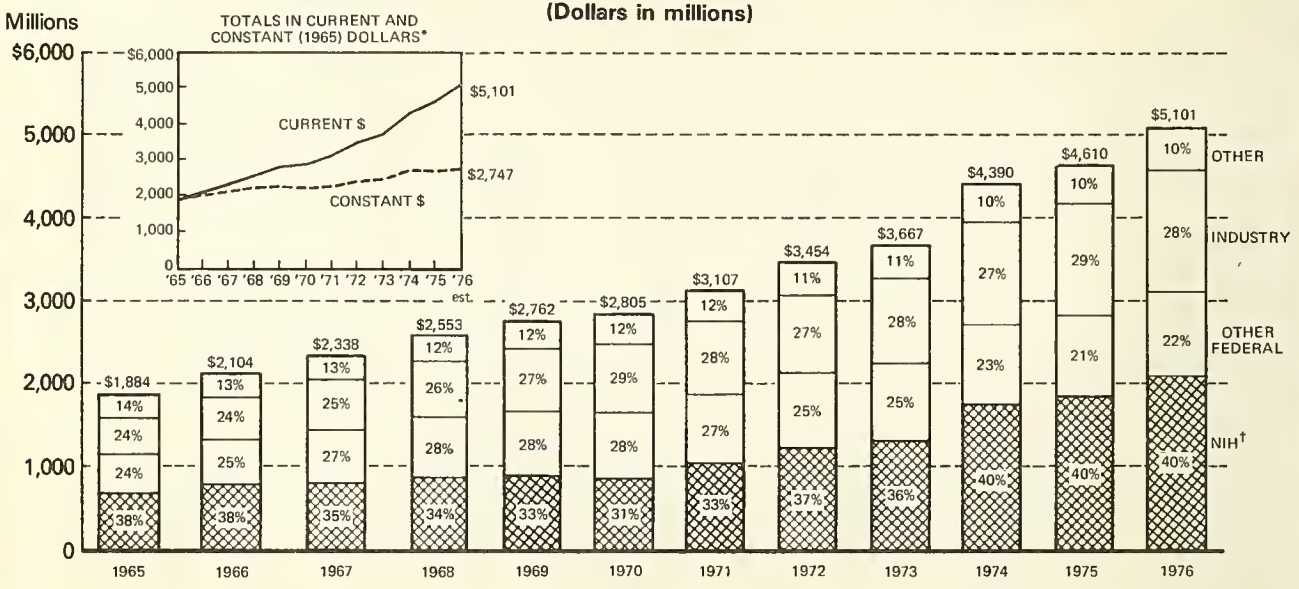
Table 2
NATIONAL SUPPORT FOR HEALTH R&D BY SOURCE AND PERFORMER, 1975
(In millions of dollars)

Source of support	Total	Performer					
		Federal	State and local	Industry*	Higher education*	Other nonprofit*	Foreign
Total	**$4,610**	**$717**	**$108**	**$1,350**	**$1,743**	**$487**	**$205**
Federal	2,799	716	54	256	1,375	368	30
NIH	**1,846**	330	34	123	**1,068**	**272**	**19**
State	239	—	54	—	181	4	—
Industry	1,322	—	—	1,094	39	31	158
Private nonprofit	250	1	—	—	148	84	17



*Contains Federally Funded R&D Centers (FFRDCs).

Figure 2
NATIONAL SUPPORT FOR HEALTH R & D BY SOURCE, 1965-1976
(Dollars in millions)



*Constant dollars based on revised biomedical R&D deflator (1965 = 100). †$2,023 million, including $1,276 grants, $373 contracts, $241 intramural research, etc.

Table 3
FEDERAL OBLIGATIONS FOR HEALTH R&D BY SOURCE OR PERFORMER, FISCAL YEARS 1968-1975
(In millions of dollars)

	1968	1969	1970	1971	1972	1973	1974	1975
Total of *A* or *B*	**$1,581.9**	**$1,674.1**	**$1,666.6**	**$1,876.6**	**$2,147.3**	**$2,225.3**	**$2,753.6**	**$2,798.9**
A. BY SOURCE OF FUNDS								
Department of Health, Education, and Welfare	1,139.0	1,191.4	1,177.0	1,316.0	1,584.3	1,609.9	2,092.2	2,162.5
National Institutes of Health*	864.0	892.9	873.3	1,038.9	1,271.3	1,323.2	1,736.8	1,845.5
Other Public Health Service*	229.1	249.9	270.0	247.6	275.9	255.4	315.2	278.5
Other DHEW*	45.8	48.7	33.8	29.4	37.0	31.3	40.2	38.2
Other agencies	443.0	482.6	489.5	560.6	563.1	615.4	661.4	636.7
Department of Agriculture	45.8	48.8	50.1	60.3	67.3	61.1	59.7	61.4
Department of Defense	114.0	117.5	124.9	124.2	126.0	126.6	119.0	115.9
Department of the Interior	2.7	4.4	12.4	22.6	34.9	33.3	33.3	9.0
Department of State	2.7	8.7	10.8	15.2	15.1	16.3	10.3	6.4
Department of Transportation	4.5	7.3	9.7	41.9	39.0	65.0	64.8	11.9
Energy Research & Development Admin. (AEC)	95.0	97.9	104.2	104.9	102.7	110.6	121.4	163.9
Environmental Protection Agency	—	—	—	13.1	14.5	20.3	18.8	38.1
National Aeronautics & Space Admin.	108.6	116.8	85.9	74.9	50.3	42.3	80.1	74.9
National Science Foundation	21.2	25.6	28.0	34.3	37.2	45.5	47.0	44.7
Veterans Administration	45.6	50.3	58.7	62.7	68.9	74.2	84.0	94.8
Other	2.9	5.3	4.9	6.5	7.1	20.3	23.2	15.8
B. BY PERFORMER								
Intramural (Federal)	402.2	456.5	488.3	566.5	608.2	627.3	667.9	715.7
Extramural (non-Federal)	1,179.8	1,217.6	1,178.3	1,310.1	1,539.1	1,598.0	2,085.8	2,083.1
State & local	50.6	47.7	49.0	51.5	60.2	79.3	91.6	54.0
Industry†	138.3	137.4	121.7	128.6	158.8	176.3	248.4	256.3
Private nonprofit†	960.4	996.0	986.2	1,089.1	1,289.3	1,318.3	1,716.8	1,742.8
Higher education†	757.7	792.1	775.1	859.4	1,025.4	1,039.5	1,347.0	1,374.8
Medical schools‡	379.6	408.3	394.1	436.0	507.8	618.3	809.7	837.5
Other†	202.6	203.9	211.1	229.7	264.0	278.8	369.7	368.1
Foreign	30.5	36.4	21.4	40.9	30.8	24.1	29.1	30.0

*As organized in year specified. †Contains FFRDCs. ‡Excludes medical school contracts for 1968-1972. Such contracts are contained in "Higher education" for all years.

Table 4
FEDERAL OBLIGATIONS FOR HEALTH R&D BY SOURCE AND PERFORMER, FISCAL YEAR 1975
(In millions of dollars)

Source of support	Total	Performer							
		Intra-mural (Federal)	Total extra-mural (non-Federal)	State and local	Industry*	Higher education		Other private nonprofit*	Foreign
						Total*	Medical schools		
Total	**$2,798.9**	**$715.7**	**$2,083.1**	**$54.0**	**$256.3**	**$1,374.8**	**$837.5**	**$368.1**	**$30.0**
Dept. of Health, Ed. and Welfare	2,162.2	425.9	1,736.4	52.0	136.6	1,198.1	808.5	323.2	26.4
National Institutes of Health	**1,845.5**	**330.1**	**1,515.4**	**33.7**	**122.9**	**1,067.6**	**750.7**	**272.5**	**18.7**
Other Public Health Service	278.5	89.4	189.1	16.0	11.7	116.7	50.2	39.0	5.5
ADAMHA	139.4	23.2	116.2	14.8	3.8	76.9	38.5	19.5	1.3
CDC	42.6	27.9	14.7	–	3.6	4.5	0.6	5.2	1.3
FDA	35.9	23.1	12.8	0.1	2.5	8.4	1.2	1.1	0.7
HRA	43.3	10.9	32.4	0.7	1.6	19.8	7.8	8.9	1.4
HSA	17.3	4.3	13.0	0.4	0.3	7.1	2.0	4.4	0.8
Other DHEW	38.2	6.3	31.9	2.2	2.0	13.7	7.7	11.7	2.2
Office of Human Development	16.8	0.6	16.2	1.0	–	10.1	7.6	3.3	1.8
Off. Asst. Secy., Planning & Eval.	6.3	0.4	5.9	–	–	0.9	–	5.0	–
Social and Rehabilitation Service	3.6	0.3	3.3	1.2	1.1	0.1	–	0.5	0.3
Social Security Administration	11.5	5.0	6.4	–	0.9	2.6	0.1	3.0	–
Other agencies	636.7	289.9	346.8	2.1	119.6	176.7	29.0	44.8	3.6
Department of Agriculture	61.4	46.6	14.8	–	0.4	12.8	0.1	0.1	1.6
Department of Defense	115.9	83.7	32.2	–	9.4	15.9	2.9	6.1	0.8
Department of Transportation	11.9	3.5	8.5	1.1	5.1	2.1	–	0.3	–
Energy Research & Development Admin.	163.9	7.6	156.3	0.1	39.4	88.3†	13.3	28.1	0.4
Environmental Protection Agency	38.1	25.5	12.6	0.5	6.4	3.3	0.5	2.3	0.2
National Aeronautics & Space Admin.	74.9	10.9	64.0	–	54.8	8.8	3.9	0.4	–
National Science Foundation	44.7	2.1	42.5	–	0.8	38.8	7.7	2.7	0.1
Veterans Administration	94.8	92.9	1.9	–	0.3	1.1	0.3	0.4	–
Other	31.0	17.1	13.9	0.4	3.1	5.5	0.2	4.4	0.5

*Contains FFRDCs. †Contains $49 million to FFRDCs.

Table 5
MANPOWER POOL OF EMPLOYED BIOMEDICAL DOCTORAL SCIENTISTS: NUMBER AND ANNUAL GROWTH RATES BY TYPE OF EMPLOYER AND DEGREE HELD, IN YEARS ENDING JUNE 30, 1971, 1973, AND 1975

Type of employer and degree held	Number of doctoral scientists (in thousands)			Annual growth rate (percent per year)		
	1971	1973	1975	1971-73	1973-75	1971-75
Total	**71.5**	**79.5**	**86.9**	**5.5%**	**4.5%**	**5.0%**
M.D.*	34.3	37.5	39.4	4.5	2.5	3.5
Ph.D.†	37.2	42.0	47.5	6.3	6.5	6.3
Medical schools	31.2	36.0	39.5	7.4	4.7	6.1
M.D.*	23.2	26.4	28.2	6.7	3.3	5.0
Ph.D.†	8.0	9.6	11.3	9.5	8.5	9.0
Other academic institutions	19.4	21.1	21.8	4.3	1.6	3.0
M.D.*	0.5	0.8	1.1			
Ph.D.†	18.9	20.3	20.7	3.6	1.0	2.3
Other employers	20.9	22.4	25.6	3.5	6.9	5.2
M.D.*	10.6	10.3	10.1	neg.	neg.	neg.
Ph.D.†	10.3	12.1	15.5	8.4	13.4	10.4

*Contains equivalent health-professionals and persons holding both M.D. and Ph.D. or equivalent. †Contains persons with equivalent academic doctorate.

Source: NIH/OPPE/DPA.

Table 6
MANPOWER POOL OF EMPLOYED BIOMEDICAL DOCTORAL SCIENTISTS: NUMBER AND PERCENTAGE DISTRIBUTION BY DEGREE HELD AND TYPE OF EMPLOYER AND BY TYPE OF ACTIVITY, JUNE 30, 1975, WITH COMPARABLE TOTALS FOR 1971

Degree held and type of employer	Number (in thousands)					Percent				
	Total	Research	Teaching	Patient care	Admin. & other	Total	Research	Teaching	Patient care	Admin. & other
Total - 1975	**86.9**	**36.7**	**19.5**	**10.0**	**20.7**	**100%**	**42%**	**22%**	**12%**	**24%**
M.D.*	39.4	9.7	9.3	9.9	10.5	100	24	23	26	27
Academic institutions	29.3	4.1	9.3	7.4	8.5	100	14	32	25	29
Medical schools	28.2	4.0	8.7	7.3	8.2	100	14	31	26	29
Other	1.1	0.1	0.6	0.1	0.3	100	12	52	9	27
Non-academic	10.1	5.6	–	2.5	2.0	100	55	–	25	20
Ph.D.†	47.5	27.0	10.2	0.1	10.2	100	57	21	‡	22
Academic institutions	32.0	14.6	10.2	0.1	7.1	100	46	32	‡	22
Medical schools	11.3	3.8	4.0	0.1	3.4	100	34	35	1	30
Other	20.7	10.8	6.2	–	3.7	100	52	30	–	18
Non-academic	15.5	12.4	–	–	3.1	100	80	–	–	20
Total - 1971	**71.5**	**28.4**	**17.4**	**8.7**	**17.0**	**100%**	**40%**	**24%**	**12%**	**24%**
Percent change 1971-1975	21.5%	29.2%	12.1%	14.9%	21.8%					
Growth rate 1971-1975 (per year)	5.0%	6.7%	2.9%	3.5%	5.0%					

*Contains equivalent health-professionals and persons holding both M.D. and Ph.D. or equivalent. †Contains persons with equivalent academic doctorate.
‡Less than 0.5%.
Source: NIH/OPPE/DPA.

Table 7
SCIENCE DOCTORATE RECIPIENTS FROM U.S. UNIVERSITIES
BY FIELD OF DEGREE AND SEX, FISCAL YEARS 1973-1975

Field of degree	1973			1974			1975		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
Total	**19,555**	**17,020**	**2,535**	**19,086**	**16,382**	**2,704**	**19,048**	**16,047**	**3,001**
Agricultural sciences	1,031	994	37	1,010	962	48	1,066	1,020	46
Biomedical sciences	3,952	3,125	827	3,780	2,973	807	3,818	2,920	898
Anatomy	127	96	31	123	98	25	118	93	25
Biochemistry	636	507	129	606	459	147	620	473	147
Biophysics	115	107	8	119	105	14	112	100	12
Genetics	127	103	24	126	95	31	156	107	49
Microbiology	380	287	93	380	275	105	364	266	98
Pathology	78	72	6	81	73	8	67	59	8
Pharmacology	160	133	27	178	143	35	166	140	26
Physiology	357	290	67	311	256	55	333	272	61
Other	1,972	1,530	442	1,856	1,469	387	1,882	1,410	472
Engineering	3,338	3,293	45	3,144	3,110	34	2,959	2,909	50
Environmental sciences	85	78	7	104	96	8	138	124	14
Physical sciences	5,238	4,862	376	4,892	4,517	375	4,760	4,366	394
Psychology	2,444	1,728	716	2,587	1,796	791	2,749	1,876	873
Social sciences	3,467	2,940	527	3,569	2,928	641	3,558	2,832	726

Source: National Academy of Sciences, Earned Doctorate Survey.

Table 8
MORTALITY FROM SELECTED CAUSES: UNITED STATES, 1968 AND 1974

Cause of death	ICDA code*	1968				1974			
		Rank	Number	Rate per 100,000 population	Percent of all deaths	Rank	Number	Rate per 100,000 population	Percent of all deaths
Total			1,930,082	965.7	100.0%		1,934,388	915.1	100.0%
Diseases of the circulatory system	390-458	1	1,040,292	520.5	53.9	1	1,028,575	486.6	53.2
Diseases of the heart	390-398,402,404,410-429		744,658	372.6	38.6		738,171	349.2	38.2
Hypertension	400,401,403		9,063	4.5	.5		6,894	3.3	.4
Cerebrovascular diseases	430-438		211,390	105.8	11.0		207,424	98.1	10.7
Arteriosclerosis	440		33,568	16.8	1.7		32,239	15.3	1.7
Neoplasms	140-239	2	323,495	161.9	16.8	2	365,532	172.9	18.9
Malignant	140-209		318,547	159.4	16.5		360,472	170.5	18.6
Digestive organs & peritoneum	150-159		93,563	46.8	4.8		98,913	46.8	5.1
Respiratory system	160-163		63,485	31.8	3.3		83,475	39.5	4.3
Breast	174		29,081	14.6	1.5		32,424	15.3	1.7
Genital organs	180-187		40,936	20.5	2.1		43,111	20.4	2.2
Diseases of the respiratory system	460-519	3	123,440	61.8	6.4	3	109,303	61.7	5.7
Influenza & pneumonia	470-474,480-486		73,492	36.8	3.8		54,777	25.9	2.8
Bronchitis, emphysema, & asthma	490-493		33,078	16.6	1.7		26,880	12.7	1.4
Diseases of the digestive system	520-577	4	73,718	36.9	3.8	4	73,195	34.8	3.8
Cirrhosis of liver	571		29,183	14.6	1.5		33,319	15.8	1.7
Endocrine, nutritional, & metabolic diseases	240-279	5	46,354	23.2	2.4	5	45,688	21.6	2.4
Diabetes mellitus	250		38,352	19.2	2.0		37,329	17.7	1.9
Certain causes of mortality in early infancy	760-769.2,769.4-772,774-778	6	43,840	21.9	2.3	6	28,786	13.6	1.6
Diseases of the genitourinary system	580-629	7	29,787	14.9	1.5	7	26,068	12.3	1.3
Diseases of the nervous system & sense organs	320-389	10	16,439	8.2	.9	8	17,356	8.2	.9
Infective & parastic diseases	000-136	8	17,776	8.9	.9	9	15,722	7.4	.8
Congenitel enomalies	740-759	9	16,793	8.4	.9	10	13,526	8.4	.7
All other diseases	Residual		42,911	21.5	2.2		53,706	25.4	2.8
Accidents, poisonings, & violence	E800-E999		155,237	77.7	8.0		156,931	74.2	8.1

*Based on *Eighth Revision International Classification of Diseases, Adapted for Use in the United States.*

Source: National Center for Health Statistics, DHEW.

Table 9
MORBIDITY FROM SELECTED CHRONIC CONDITIONS: UNITED STATES, 1975*

Chronic condition and codes, ICDA and X†		Days of bed disability (in thousands)		Persons chronically limited‡ (in thousands)	
		Rank	Number	Rank	Number
Heart disease	390-398,402,404,410-429,782.1-782.2,782.4	1	101,661	2	4,757
Arthritis	710-715	2	83,144	1	4,762
Mental disorders§	290-309,319,X14-X19,780.6,781.5,785.6,786.2,790.0,790.2	3	60,753	4	2,199
Malignant neoplasms	140-209	4	38,398	13	620
Hypertension without heart involvement	400,401,403	5	37,467	5	2,110
Cerebrovascular disease	430-438	6	32,506	11	783
Impairment of back & spine	X70-X72,X80-X81	7	31,837	3	2,299
Diabetes	250	8	30,294	7	1,465
Paralysis	X40-X69	9	28,150	9	1,002
Asthma	493	10	24,202	8	1,402
Ulcer	531-534	11	23,333	14	534
Emphysema	492	12	19,513	10	800
Gallbladder§	574-576.0,576.1,576.2,576.9	13	19,338	15	149
Hernia	550-553	14	18,338	12	657
Impairment of lower extremities	X75-X77,X82-X85	15	17,892	6	1,992

*National estimate based on continuing survey of a probability sample of some 40,000 households in the civilian noninstitutionalized population. †ICDA code from *Eighth Revision International Classification of Diseases, Adapted for Use in the United States*; X code from *Vital and Health Statistics,* Publication Series 10, Number 99 (pp. 51-56). ‡Persons with limitations of activity are those chronically unable to fully perform their usual activities because of the condition specified. §Includes some acute conditions.

Source: National Center for Health Statistics, DHEW.

Table 10
MORBIDITY FROM SELECTED ACUTE CONDITIONS: UNITED STATES, 1974*

Acute condition and ICDA code†		Incidence of acute conditions	Restricted-activity days	Bed-disability days	Work-loss days	School-loss days
Total		364,278	1,944,185	856,295	286,055	209,781
Respiratory conditions	460-486,501,508-516,519,783	195,741	854,591	428,729	125,158	128,694
Upper respiratory	460-465,501,508	94,868	332,293	132,040	41,988	55,803
Influenza	470-474	92,809	436,818	251,906	72,457	65,860
Pneumonia	480-486	1,851	41,423	23,402	3,796	‡
Bronchitis	466	3,266	23,519	9,640	‡	‡
Other	510-516,519,783	2,947	20,538	11,741	6,917	‡
Infective & parasitic diseases	000-136	40,465	187,864	87,691	19,273	34,093
Digestive system conditions	520.6-521.5,521.7-523.9,525-530 535-543,560,561,564-577,784,785	16,193	95,318	44,449	14,900	8,543
Diseases of the ear	380-387,745.0-745.3,781.3	11,573	47,252	17,853	§	§
Genitourinary disorders	580-629,786,789	8,537	70,416	28,577	§	§
Diseases of the musculoskeletal system	717-733,787	4,673	47,787	13,760	§	§
Headaches	791	3,145	6,944	‡	§	§
Deliveries & disorders of pregnancy & the puerperium	630-678	2,760	41,357	23,227	§	§
Diseases of the skin	680-709	2,310	16,670	‡	§	§
Injuries	N(800-870,872-884,890-894,900-994,996-999)	63,085	454,652	148,425	84,850	19,418
All other acute conditions	Other acute code numbers	15,796	121,334	56,710	41,874	19,034

*National estimate based on continuing survey of a probability sample of some 40,000 households in the civilian noninstitutionalized population. †*Eighth Revision International Classification of Diseases, Adapted for Use in the United States.* ‡Figure does not meet standards of reliability or precision. §Not available. Included in "All other acute conditions."

Source: National Center for Health Statistics, DHEW.

Table 11
PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SELECTED CONDITIONS: UNITED STATES, 1972 AND 1974*

Category of first-listed diagnosis	ICDA code†	1972					1974				
		Hospital discharges			Average length of stay		Hospital discharges			Average length of stay	
		Rank	Number (in thousands)	Rate per 10,000 pop.	Rank	Days	Rank	Number (in thousands)	Rate per 10,000 pop.	Rank	Days
Total			**31,627**	**1,549**		**7.7**		**33,018**	**1,592**		**7.7**
Diseases of the circuletory system	390-458	3	3,860	189	2	11.5	1	4,304	208	2	11.1
Ischemic heart disease	410-414		1,628	80		12.1		1,787	86		11.3
Cerebrovascular disease	430-438		586	29		13.4		620	30		13.6
Diseases of the digestive system	520-577	2	3,976	195	6	8.0	2	4,118	199	6	7.8
Stomach, duodenum, gastrojejunal ulcer	531-534		429	21		9.8		425	21		9.4
Inguinal hernia	550, 552		491	24		5.9		505	24		5.8
Cholelithiesis, cholecystitis, cholangitis	574-575		570	28		10.3		545	26		10.3
Complications of pregnancy, childbirth, & the puerperium	630-678	1	4,102	201	13	3.7	3	4,003	193	13	3.7
Diseases of the genitourinary system	580-629	5	3,250	159	11	6.3	4	3,394	164	11	6.3
Diseases of the respiratory system	460-519	4	3,515	172	12	6.0	5	3,278	158	12	6.0
Acute upper respiratory infections, except influenza	460-466		609	30		5.6		540	26		5.7
Influenza & pneumonia	470-486		937	46		8.5		826	40		8.3
Hypertrophy of tonsils & adenoids	500		929	46		1.9		830	40		2.3
Neoplasms	140-239	6	2,100	103	3	11.1	6	2,257	109	3	10.8
Malignant	140-209		1,336	65		13.9		1,469	71		13.4
Diseases of the musculoskeletal system	710-738	7	1,470	72	5	9.5	7	1,710	82	5	9.4
Diseases of the nervous system & sense organs	320-389	8	1,220	60	8	6.9	8	1,371	66	9	6.6
Mental disorders	290-315	9	1,176	58	1	11.6	9	1,352	65	1	11.3
Endocrine, nutritional, & metabolic diseases	240-279	10	804	39	4	9.9	10	869	42	4	10.0
Diabetes mellitus	250		488	24		10.7		521	25		10.9
Infective & parasitic diseases	000-136	11	789	39	10	6.4	11	815	39	10	6.5
Diseases of the skin & subcutaneous tissue	680-709	12	511	25	7	7.2	12	537	26	7	7.2
Congenital anomalies	740-759	13	357	17	9	6.6	13	331	16	8	6.7
All other diseases	Residual		1,244	61		5.6		1,253	60		5.3
Accidents, poisonings, & violence	800-999		3,253	159		8.3		3,426	165		8.4

*National estimate based on samples of medical records from non-Federal short-stay hospitals. Includes deaths, excludes newborn infants. †*Eighth Revision International Classification of Diseases, Adapted for Use in the United States.*

Source: National Center for Health Statistics, DHEW.

Table 12
NIH APPROPRIATIONS BY NIH COMPONENT, FISCAL YEARS 1950–1977 AND TRANSITION QUARTER*
Excluding Programs That Have Been Transferred Out
(In thousands of dollars)

NIH component	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
Total	$34,816	$42,563	$40,019	$41,141	$52,849	$60,848	$71,718	$161,576	$189,329	$255,436	$343,382	$468,239	$630,790	$756,704
I/RD														
NIAID	–	–	(5,016)	(5,479)	5,400	5,726	6,502	13,299	17,400	24,071	34,054	44,000	56,091	66,142
NIAMDD	–	–	(3,894)	(4,570)	7,000	8,270	10,840	15,885	20,385	31,215	46,862	61,200	81,831	103,388
NCI	14,000	15,397	15,209	13,537	16,494	17,994	19,695	37,342	49,471	65,159	81,575	100,311	124,817	145,406
NIDR	511	806	816	850	1,034	1,330	1,511	5,232	5,519	6,437	8,829	14,167	17,340	21,199
NHLBI	8,230	12,046	8,238	10,155	13,746	15,253	17,380	30,738	33,246	42,413	57,386	81,031	123,312	135,037
NINCDS	–	–	(1,186)	(1,538)	4,500	7,600	9,861	18,650	21,387	29,403	41,487	56,600	67,812	79,706
HRF	–	–	–	–	–	–	–	30,000	30,000	30,000	30,000	30,000	35,000	50,000
OE-NIH	12,075	14,314	15,756	16,599	4,675	4,675	5,929	10,430	–	–	–	–	–	–
GR&S	–	–	–	–	–	–	–	–	11,921	26,738	43,189	80,930	124,587	155,826

*Excludes Foreign Currency Programs. Figures in parentheses are allocations from OE-NIH (1952–53) and GR&S (1964–70). "Transition quarter" = 3-month period between old FY ending 6/30/76 and new FY beginning 10/1/76. †Excludes $65,454 thousand + $16,924 thousand to reflect cutbacks (P.L. 91–204 and P.L. 91–305).

(Continued)

Table 12 (Cont.)
NIH APPROPRIATIONS BY NIH COMPONENT, FISCAL YEARS 1950-1977 AND TRANSITION QUARTER*
Excluding Programs That Have Been Transferred Out
(In thousands of dollars)

NIH component	1964	1965	1966	1967	1968	1969	1970†	1971	1972	1973	1974	1975	1976	TQ	1977
Total	$793,293	$831,091	$979,931	$1,045,956	$1,111,461	$1,118,153	$1,061,007	$1,212,847	$1,506,156	$1,762,565	$1,790,425	$2,092,897	$2,302,126	$439,107	$2,530,778
I/RD	793,293	831,091	979,931	1,045,956	1,111,461	1,099,993	1,032,600	1,182,504	1,466,752	1,713,455	1,744,554	2,043,721	2,200,691	427,143	2,411,910
NIA	–	–	–	–	–	–	–	–	–	–	–	–	19,288	4,038	30,000
NIAID	67,117	69,847	77,987	90,670	94,422	96,840	97,342	102,368	109,118	113,414	111,089	119,452	126,852	27,638	141,000
NIAMDD	107,699	113,050	123,203	135,687	143,954	143,888	131,761	137,986	153,337	167,316	153,561	173,514	179,516	43,719	209,000
NCI	143,194	150,011	163,768	175,656	183,356	185,150	181,454	233,160	378,794	492,205	527,486	691,666	761,727	152,901	815,000
NICHD	34,000	42,696	55,024	64,922	68,621	73,126	76,095	94,760	116,427	130,429	125,455	142,435	136,404	24,201	145,543
NIDR	19,166	20,083	23,677	28,308	30,307	29,983	28,764	35,440	43,388	46,991	43,959	50,033	51,291	7,854	55,573
NIEHS	–	–	–	–	17,289	17,820	17,423	20,151	26,436	30,956	28,397	35,171	37,660	8,743	49,141
NEI	–	–	–	–	–	–	22,828	30,032	37,132	38,562	41,177	44,133	50,212	9,519	64,000
NIGMS	(107,881)	(114,418)	127,188	145,113	160,284	163,514	148,294	160,194	173,474	183,171	168,329	187,400	187,312	34,078	205,000
NHLBI	127,423	124,824	141,462	164,770	167,954	166,928	160,634	194,925	232,627	300,000	289,550	324,630	370,013	58,763	396,661
NINCDS	84,471	87,821	101,153	116,296	128,633	128,935	97,315	103,502	116,731	130,672	121,358	142,498	144,446	34,272	155,500
FIC	–	–	–	–	500	600	2,775	3,666	4,307	4,666	4,767	5,589	5,705	1,135	7,992
OIR	(5,423)	(5,512)	(5,998)	(7,968)	(14,105)	(13,143)	–	–	–	–	–	–	–	–	–
GR&S	154,223	164,759	60,469	68,534	81,141	84,809	67,925	–	–	–	–	–	–	–	–
DRR	(40,919)	(44,829)	(51,754)	(56,485)	(62,014)	(65,810)	(63,565)	66,320	74,981	75,073	129,426	127,200	130,265	20,282	137,500
HRF	56,000	58,000	106,000	56,000	35,000	8,400	–	–	–	–	–	–	–	–	–
DCRT/ED	–	–	(2,717)	(4,081)	(5,022)	(5,856)	(4,360)	–	–	–	–	–	–	–	–
NLM	–	–	–	–	–	18,160	19,251	21,440	24,127	28,568	25,871	28,850	29,065	6,572	35,234
OD	–	–	–	–	–	–	7,541	8,903	11,712	12,042	12,000	17,326	18,370	4,642	16,234
Bldgs. & fac.	–	–	–	–	–	–	1,615	–	3,565	8,500	8,000	3,000	54,000	750	67,400

See footnotes at beginning of table.

Table 13
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

I/RD and program activity	Total	Extramural operations					Intramural operations			Disease control	Construction
		R&D grants		R&D contracts	Research training		Lab. & clin. research	Other direct	Program management		
		Regular	Special		NRSA	Other					
Total I/RD	**$2,185,528**	**$909,302**	**$357,825**	**$367,921**	**$57,545**	**$62,453**	**$215,901**	**$116,272**	**$17,117**	**$56,471**	**$24,721**
NIA	**19,221**	9,981	42	838	525	1,225	5,447	760	403	–	–
Aging	12,611	9,981	42	838	525	1,225	–	–	–	–	–
Intramural lab. & clinical research	5,447	–	–	–	–	–	5,447	–	–	–	–
Other direct operations	760	–	–	–	–	–	–	760	–	–	–
Program management	403	–	–	–	–	–	–	–	403	–	–
NIAID	**125,563**	70,691	5,020	10,638	3,780	4,029	24,425	5,839	1,141	–	–
Immunology; immunologic & allergic diseases	34,940	28,479	1,351	2,182	1,718	1,210	–	–	–	–	–
Microbiology & infectious diseases	59,218	42,212	3,669	8,456	2,062	2,819	–	–	–	–	–
Intramural lab. & clinical research	24,425	–	–	–	–	–	24,425	–	–	–	–
Other direct operations	5,839	–	–	–	–	–	–	5,839	–	–	–
Program management	1,141	–	–	–	–	–	–	–	1,141	–	–

Total NIH	$2,238,410
I/RD	2,185,528
NLM	27,014
OD	18,334
Bldg. & fac.	7,534

(Continued)

Table 13 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

I/RD and program activity	Total	Extramural operations					Intramural operations			Disease control	Construction
		R&D grants		R&D contracts	Research training		Lab. & clin. research	Other direct	Program management		
		Regular	Special		NRSA	Other					
NIAMDD	$ 174,933	$125,976	$ 6,885	$ 5,947	$ 896	$ 983	$ 26,228	$ 7,224	$ 794	–	–
Arthritis, bone, & skin diseases	26,735	25,421	419	618	161	116	–	–	–	–	–
Diabetes, endocrinology, & metabolism	53,267	48,253	3,516	746	342	410	–	–	–	–	–
Digestive diseases & nutrition	31,406	26,690	2,666	1,538	200	312	–	–	–	–	–
Kidney diseases, urology, & hematology	29,279	25,612	284	3,045	193	145	–	–	–	–	–
Intramural lab. & clinical research	26,228	–	–	–	–	–	26,228	–	–	–	–
Other direct operations	7,224	–	–	–	–	–	–	7,224	–	–	–
Program management	794	–	–	–	–	–	–	–	794	–	–
NCI	760,548	152,284	159,855	221,318	11,867	6,293	71,382	50,264	6,093	$56,471	$24,721
Research	606,075	152,284	107,807	221,318	–	–	71,382	45,945	5,767	1,572	–
Cause & prevention	207,331	33,932	33,748	105,708	–	–	21,641	10,368	1,934	–	–
Detection & diagnosis	46,406	6,451	5,077	20,561	–	–	7,301	6,315	701	–	–
Treatment	240,808	63,905	50,176	77,260	–	–	27,930	18,076	1,889	1,572	–
Cancer biology	111,530	47,996	18,806	17,789	–	–	14,510	11,186	1,243	–	–
Resource development	98,245	–	52,048	–	11,867	6,293	–	3,133	183	–	24,721
Cancer centers support	42,438	–	41,107	–	–	–	–	1,252	79	–	–
Research manpower	30,311	–	10,941	–	11,867	6,293	–	1,143	67	–	–
Construction	25,496	–	–	–	–	–	–	738	37	–	24,721
Cancer control	56,228	–	–	–	–	–	–	1,186	143	54,899	–

(Continued)

Table 13 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

I/RD and program activity	Total	Extramural operations					Intramural operations		
		R&D grants		R&D contracts	Research training		Lab. & clin. research	Other direct	Program management
		Regular	Special		NRSA	Other			
NICHD	$ 135,873	$ 78,695	$ 7,315	$ 18,748	$ 3,581	$ 5,927	$ 13,661	$ 6,675	$ 1,271
Research for mothers & children	67,116	48,839	6,801	4,700	2,248	4,528	–	–	–
Population	47,150	29,856	514	14,048	1,333	1,399	–	–	–
Intramural lab. & clinical research	13,661	–	–	–	–	–	13,661	–	–
Other direct operations	6,675	–	–	–	–	–	–	6,675	–
Program management	1,271	–	–	–	–	–	–	–	1,271
NIDR	50,690	18,820	8,322	4,549	2,081	2,978	8,955	3,977	1,008
Caries	8,682	4,230	154	2,473	198	48	–	1,579	–
Periodontal & soft tissue diseases	6,155	3,915	140	833	421	846	–	–	–
Restorative materials	3,505	2,159	93	465	319	469	–	–	–
Craniofacial anomalies	7,622	5,413	490	405	451	863	–	–	–
Pain control & behavioral studies	1,716	1,032	67	15	144	458	–	–	–
Soft tissue, stomatology, & nutrition	3,503	2,071	232	358	548	294	–	–	–
Dental research institutes	7,146	–	7,146	–	–	–	–	–	–
Intramural lab. & clinical research	8,955	–	–	–	–	–	8,955	–	–
Other direct operations	2,398	–	–	–	–	–	–	2,398	–
Program management	1,008	–	–	–	–	–	–	–	1,008

(Continued)

Table 13 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

I/RD and program activity	Total	Extramural operations					Intramural operations		
		R&D grants		R&D contracts	Research training		Lab. & clin. research	Other direct	Program management
		Regular	Special		NRSA	Other			
NIEHS	$ 36,787	$ 13,466	$ 5,534	$ 3,179	$ 811	$ 933	$ 10,918	$ 1,093	$ 853
Environmental health science centers	5,287	–	5,287	–	–	–	–	–	–
Environmental mutagenesis & reprod. toxicology	2,586	1,505	–	1,063	–	18	–	–	–
Etiology of environmental diseases & disorders	6,716	5,477	46	778	177	238	–	–	–
Environmental pharmacology & toxicology	7,920	5,382	201	1,154	549	634	–	–	–
Environmental pathogenesis	1,414	1,102	–	184	85	43	–	–	–
Intramural lab. & clinical research	10,918	–	–	–	–	–	10,918	–	–
Other direct operations	1,093	–	–	–	–	–	–	1,093	–
Program management	853	–	–	–	–	–	–	–	853
NEI	50,089	34,342	1,050	2,237	2,863	1,779	5,174	1,942	702
Retinal & choroidal diseases	16,101	12,245	567	2,139	806	344	–	–	–
Corneal diseases	6,910	5,895	130	–	312	573	–	–	–
Cataract	4,205	3,686	72	–	95	352	–	–	–
Glaucoma	6,494	5,368	105	98	507	416	–	–	–
Sensory-motor disorders & rehabilitation	8,561	7,148	176	–	1,143	94	–	–	–
Intramural lab. & clinical research	5,174	–	–	–	–	–	5,174	–	–
Other direct operations	1,942	–	–	–	–	–	–	1,942	–
Program management	702	–	–	–	–	–	–	–	702

(Continued)

Table 13 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

I/RD and program activity	Total	Extramural operations					Intramural operations		
		R&D grants		R&D contracts	Research training		Lab. & clin. research	Other direct	Program management
		Regular	Special		NRSA	Other			
NIGMS	$ 186,945	$112,662	$ 24,944	$ 1,464	$15,203	$25,642	$ –	$ 5,796	$ 1,234
Cellular & molecular basis of disease	62,860	39,050	3,018	46	8,446	12,300	–	–	–
Genetics	55,744	41,488	7,939	370	3,008	2,939	–	–	–
Pharmacology-toxicology	24,626	14,113	5,465	204	2,305	2,539	–	–	–
Clinical & physiological sciences	18,439	6,384	5,766	–	971	5,318	–	–	–
Biomedical engineering	18,030	11,607	2,756	844	398	2,425	–	–	–
Minority access to research careers	216	20	–	–	75	121	–	–	–
Other direct operations	5,796	–	–	–	–	–	–	5,796	–
Program management	1,234	–	–	–	–	–	–	–	1,234
NHLBI	368,564	211,016	5,406	83,722	11,367	9,192	29,568	16,791	1,502
Heart & vascular diseases	216,449	136,816	2,037	65,814	6,004	5,778	–	–	–
Lung diseases	51,453	35,808	2,737	7,275	3,106	2,527	–	–	–
Blood diseases & resources	52,801	38,392	632	10,633	2.257	887	–	–	–
Intramural lab. & clinical research	29,568	–	–	–	–	–	29,568	–	–
Other direct operations	16,791	–	–	–	–	–	–	16,791	–
Program management	1,502	–	–	–	–	–	–	–	1,502

(Continued)

Table 13 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

I/RD and program activity	Total	Extramural operations					Intramural operations		
		R&D grants		R&D contracts	Research training		Lab. & clin. research	Other direct	Program management
		Regular	Special		NRSA	Other			
NINCDS	$ 140,393	$ 81,369	$ 9,687	$ 11,146	$ 4,460	$ 3,250	$ 20,143	$ 9,059	$ 1,279
Communicative disorders	18,986	16,178	798	499	841	670	–	–	–
Neurological disorders	51,397	36,723	4,041	5,366	3,142	2,125	–	–	–
Stroke, nervous system trauma	16,601	11,422	4,545	430	3	201	–	–	–
Fundamental neurosciences	19,537	17,046	303	1,460	474	254	–	–	–
Intramural lab. & clinical research	23,534	–	–	3,391	–	–	20,143	–	–
Other direct operations	9,059	–	–	–	–	–	–	9,059	–
Program management	1,279	–	–	–	–	–	–	–	1,279
DRR	130,256	–	122,904	4,135	112	222	–	2,284	599
Clinical research	42,694	–	42,137	557	–	–	–	–	–
Biotechnology research	12,269	–	11,982	287	–	–	–	–	–
Lab. animal sciences & primate research	20,843	–	18,218	2,291	112	222	–	–	–
Biomedical research support grants	42,957	–	42,957	–	–	–	–	–	–
Minority biomedical support grants	7,610	–	7,610	–	–	–	–	–	–
Chem. biological info.-handling research	1,000	–	–	1,000	–	–	–	–	–
Other direct operations	2,284	–	–	–	–	–	–	2,284	–
Program management	599	–	–	–	–	–	–	–	599
FIC	5,666	–	860	–	–	–	–	4,568	238
Gorgas memorial laboratory	860	–	860	–	–	–	–	–	–
Scholars	2,085	–	–	–	–	–	–	2,085	–
Other direct operations	2,483	–	–	–	–	–	–	2,483	–
Program management	238	–	–	–	–	–	–	–	238

Table 14
NLM OBLIGATIONS BY FUNCTION/MECHANISM AND ORGANIZATION, FISCAL YEAR 1976 AND TRANSITION QUARTER*
(In thousands of dollars)

Function/mechanism	Total	Extramural Programs	Library Operations	Specialized Information Services (Toxicology)	National Medical Audiovisual Center	Lister Hill National Center for Biomedical Communications	Office of the Director
				FISCAL YEAR 1976			
Total	**$27,014**	**$7,151**	**$9,729**	**$1,559**	**$2,695**	**$1,475**	**$4,405**
Biomedical communications	21,801	6,343	9,729	1,559	2,695	1,475	–
Medical library assistance grants	3,622	3,622	–	–	–	–	–
Intramural programs	12,738	–	8,510	1,282	2,046	900	–
Contracts	5,441	2,721	1,219	277	649	575	–
Program management	5,213	808	–	–	–	–	4,405
Program direction	4,405	–	–	–	–	–	4,405
Review & approval	808	808	–	–	–	–	–
				*TRANSITION QUARTER**			
Total	**8,429**	**1,495**	**2,908**	**175**	**2,036**	**877**	**938**
Biomedical communications	7,311	1,315	2,908	175	2,036	877	–
Medical library assistance grants	674	674	–	–	–	–	–
Intramural programs	4,312	–	2,361	132	1,419	400	–
Contracts	2,325	641	547	43	617	477	–
Program management	1,118	180	–	–	–	–	938
Program direction	938	–	–	–	–	–	938
Review & approval	180	180	–	–	–	–	–

*"Transition quarter" = 3-month period between old FY ending 6/30/76 and new FY beginning 10/1/76.

Table 15
NIH OBLIGATIONS BY INSTITUTE AND RESEARCH DIVISION, FISCAL YEARS 1965-1976 AND TRANSITION QUARTER*
IN CURRENT AND CONSTANT DOLLARS (In millions) Excluding Programs That Have Been Transferrred Out

Fiscal year	All I/RDs†	NIA	NIAID	NIAMDD	NCI	NICHD	NIDR	NIEHS	NEI	NIGMS	NHLBI	NINCDS	DRR	FIC	
							CURRENT DOLLARS								
1965	$ 831.5	$ –	$ 69.8	$112.7	$147.8	$ 42.2	$ 20.3	$ –	$ –	$113.7	$123.4	$ 87.9	$107.8†	$ 5.2	
1966	926.0	–	77.7	121.6	161.3	54.5	23.5	5.0	–	127.1	140.2	100.2	107.6†	5.3	
1967	1,024.5	–	89.3	133.1	170.4	64.4	28.2	12.4	–	145.8	163.6	112.5	95.4†	6.2	
1968	1,075.2	–	90.4	139.3	177.3	66.8	29.3	16.7	–	156.1	162.1	122.0	99.5†	11.0	
1969	1,066.0	–	92.6	140.3	182.4	71.2	29.6	17.9	21.5	160.1	161.9	104.6	65.3	13.1	
1970	1,029.8	–	97.1	131.5	181.3	76.0	28.7	17.3	22.8	148.1	160.3	97.2	62.6	2.7	
1971	1,180.6	–	102.1	137.9	232.9	94.7	35.2	20.1	30.0	159.8	194.8	103.4	66.2	3.4	
1972	1,465.6	–	109.0	153.3	378.6	116.5	43.3	26.4	36.9	173.3	232.6	116.4	75.0	4.2	
1973	1,483.5	–	103.0	142.8	431.2	111.2	40.9	26.1	34.4	154.0	255.7	107.4	72.8	3.9	
1974	1,945.2	–	120.8	177.4	581.0	144.1	50.0	32.1	45.2	188.6	327.3	143.5	130.1§	5.0	
1975	2,056.9	–	119.4	173.6	699.3	142.4	50.0	35.9	43.7	189.5	327.8	142.4	127.1§	5.7	
1976	2,185.5	19.2	125.6	174.9	760.5	135.9	50.7	36.8	50.1	186.9	368.6	140.4	130.3§	5.7	
TQ	439.6	4.0	28.9	48.2	153.9	24.4	8.3	9.5	9.2	33.7	59.8	38.3	20.3§	1.1	
							CONSTANT DOLLARS								Biomedical R&D deflator
1965	831.5	–	69.8	112.7	147.8	42.2	20.3	–	–	113.7	123.4	87.9	107.8†	5.2	100.0
1970	812.1	–	76.5	103.7	143.0	59.9	22.6	13.6	18.0	116.8	126.4	76.6	49.3	2.2	126.8
1971	879.7	–	76.0	102.8	173.5	70.6	26.2	15.0	22.3	119.1	145.2	77.1	49.3	2.5	134.2
1972	1,040.5	–	77.4	108.9	268.8	82.7	30.7	18.7	26.2	123.1	165.1	82.7	53.2	3.0	140.9
1973	1,005.2	–	69.8	96.8	292.2	75.9	27.7	17.7	23.3	104.4	173.3	72.7	49.4	2.6	147.6
1974	1,239.2	–	77.0	113.0	370.1	91.8	31.9	20.5	28.8	120.1	208.5	91.4	82.9§	3.2	157.0
1975	1,184.4	–	68.8	99.9	402.7	82.0	28.8	20.7	25.2	109.1	188.8	82.0	73.2§	3.3	173.7
1976	1,176.4	10.3	67.6	94.1	409.4	73.2	27.3	19.8	27.0	100.6	198.4	75.6	70.1§	3.0	185.8
TQ	235.5	2.1	15.5	25.8	82.4	13.1	4.4	5.1	4.9	18.1	32.1	20.5	10.9§	0.6	186.7

*Excludes NLM, OD, Buildings & Facilities, and Foreign Currency Programs. Constant dollars based on revised NIH Biomedical R&D Deflator (1965 = 100). †Total (only) includes ED (1965-69) and DCRT (1965-70), which are no longer separately budgeted. ‡Includes HRF. §Contains all GRS programs, formerly spread among I/RDs (but 1973 GRS funds released in 1974 are spread).

Table 16
NIH AWARDS BY FUNDING MECHANISM, FISCAL YEARS 1963-1976 AND TRANSITION QUARTER*
(Dollars in millions)

Fiscal year	Total amount	Institutes and Research Divisions										NLM awards
		R&D						Construction grants		Research training				
		Research grants†		Research career program awards		R&D contracts				Individual awards		Institutional grants		
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Amount
1963	$ 590.8	13,395	$ 381.4	773	$12.5	385	$ 35.8	173	$51.3	2,912	$19.5	2,132	$ 90.2	
1964	669.9	13,514	440.7	993	17.2	477	39.9	125	53.9	2,860	19.8	2,243	98.5	
1965	736.1	13,389	472.6	1,049	19.5	397	46.2	117	64.9	3,198	22.3	2,374	110.7	
1966	809.8	13,319	528.6	1,188	22.6	514	50.7	84	58.7	3,587	24.7	2,568	124.4	
1967	899.9	13,937	593.3	1,246	25.1	688	82.2	72	42.3	3,575	25.3	2,411	131.7	
1968	957.0	12,947	620.2	1,267	26.8	928	88.9	50	41.1	3,592	27.6	2,405	132.0	$20.3
1969	945.5	12,276	621.2	1,254	27.9	812	94.6	20	21.5	3,842	29.7	2,373	138.4	12.2
1970	881.4	11,203	596.6	1,179	27.6	854	96.2	3	0.5	2,806	22.7	2,164	127.9	9.7
1971	1,005.4	10,959	671.7	1,167	28.0	1,167	143.0	—	—	2,718	23.8	2,111	129.1	9.7
1972	1,253.6	11,412	797.8	1,156	27.7	1,381	215.6	17	44.1	2,264	21.5	2,024	136.1	10.8
1973	1,241.2	11,223	811.6	1,087	25.9	1,522	243.9	20	33.5	1,233	12.2	1,696	103.1	11.1
1974	1,680.5	13,364	1,075.9	958	23.5	1,882	349.9	9	31.7	2,267	30.6	2,922	155.9	13.0
1975	1,735.3	13,398	1,119.1	1,104	26.9	2,074	390.9	12	30.0	2,056	27.8	1,739	129.0	11.6
1976	1,830.5	14,264	1,248.5	1,024	25.6	1,976	404.1	14	20.0	1,653	23.2	1,339	98.8	10.3
TQ‡	349.5	3,914	256.2	180	3.9	441	70.3	3	3.5	676	8.3	140	4.4	3.0

*Excludes Scientific Evaluation Grants ($6.2 million in FY 1976) and programs transferred out of NIH. †Contains GRS programs, including NIMH portion thru FY 1974.
‡Contains some actions that are mere increases in FY 1976 awards.

Table 17
NIH AWARDS BY NIH COMPONENT AND FUNDING MECHANISM, FISCAL YEAR 1976
(Dollars in thousands)

NIH component	Total amount	R&D						Research training							
		Research grants		Research career program awards		R&D contracts		NRSA				Pre-NRSA			
								Individual awards		Institutional grants		Individual awards		Institutional grants	
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	**$1,830,505*†**	**14,264**	**$1,248,469**	**1,024**	**$25,596**	**1,976**	**$404,107**	**1,072**	**$14,857**	**499**	**$42,651**	**581**	**$8,377**	**840**	**$56,164**
NIA	12,526	122	9,911	3	42	9	823	12	171	4	354	10	139	10	1,086
NIAID	93,371	1,126	72,986	93	2,381	113	10,194	158	2,152	31	1,628	27	427	59	3,602
NIAMDD	140,688	1,939	129,291	118	2,900	72	6,485	24	329	15	696	63	822	7	164
NCI	623,032†	2,905	318,855	136	3,264	1,109	262,751	94	1,677	89	10,190	99	1,536	44	4,759
NICHD	113,710	1,130	84,415	60	1,497	160	18,290	114	1,706	20	1,875	48	787	68	5,140
NIDR	35,795	357	26,230	33	781	57	3,720	40	543	19	1,538	19	270	44	2,714
NIEHS	25,453	197	20,181	10	209	23	3,318	2	30	7	781	16	253	10	680
NEI	42,124	639	34,359	36	906	25	2,236	75	1,035	32	1,825	10	133	27	1,629
NIGMS	179,237	1,895	131,214	245	5,950	9	1,227	133	1,654	154	13,539	74	887	425	24,766
NHLBI	310,683	2,038	208,597	196	5,534	284	76,138	192	2,562	105	8,661	43	695	93	8,496
NINCDS	109,060	1,175	88,208	93	2,106	69	11,044	225	2,952	22	1,498	14	336	49	2,917
DRR	129,764	741	124,222	1	25	25	5,183	3	45	1	67	–	11	4	211
FIC	2,080	–	–	–	–	–	–	–	–	–	–	158	2,080	–	–
OTHER†	2,698	–	–	–	–	21	2,698	–	–	–	–	–	–	–	–

*Total (only) contains NLM grants ($3.5 million) and contracts ($6.8 million). †Contains $20 million in construction grants. †Includes CC, DCRT, DRS, and OD.

Table 18
NIH AWARDS BY NIH COMPONENT AND FUNDING MECHANISM, TRANSITION QUARTER*
(In thousands of dollars)

NIH component	Total	R&D			Research training			
					NRSA		Pre-NRSA	
		Research grants	Research career program awards	R&D contracts	Individual awards	Institutional grants	Individual awards	Institutional grants
Total	$349,539†‡	$256,180	$3,882	$70,343	$7,026	$3,828	$1,292	$538
NIA	2,342	2,217	22	–	73	–	30	–
NIAID	21,118	17,990	411	1,921	708	–	88	–
NIAMDD	39,263	28,831	1,699	5,554	1,093	1,871	217	–
NCI	116,363‡	64,947	174	44,552	1,996	953	241	–
NICHD	18,475	15,037	51	2,756	77	196	65	294
NIDR	4,165	3,178	–	380	131	310	25	140
NIEHS	7,237	6,439	–	595	53	25	60	65
NEI	7,127	5,817	153	963	129	15	35	16
NIGMS	31,701	29,746	847	–	1,045	–	62	–
NHLBI	46,698	36,952	435	8,625	579	63	24	21
NINCDS	29,727	26,837	91	1,308	1,102	349	40	–
DRR	19,694	18,190	–	1,417	41	46	–	–
FIC	404	–	–	–	–	–	404	–
OTHER§	2,272	–	–	2,272	–	–	–	–

*"Transition quarter" = 3-month period between old FY ending 6/30/76 and new FY beginning 10/1/76. Contains some actions that are mere increases in FY 1976 awards. †Total (only) contains NLM grants ($641 thousand) and contracts ($2.3 million). ‡Contains $3.5 million in construction grants. §Includes CC, DCRT, DRG, DRS, and OD.

Table 19
NIH AWARDS BY STATE AND FUNDING MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

State	Total	Institutes and Research Divisions								NLM awards
		R&D			Cancer construction grants	Research training				
						NRSA		Pre-NRSA		
		Research grants	Research career program awards	R&D contracts		Individual awards	Institutional grants	Individual awards	Institutional grants	
Total	**$1,830,505**	**$1,248,469**	**$25,596**	**$404,107**	**$20,000**	**$14,857**	**$42,651**	**$8,377**	**$56,164**	**$10,284**
U.S. Total	1,815,372	1,244,168	25,596	394,052	20,000	14,163	42,651	8,294	56,164	10,284
Alabama	25,862	15,732	319	8,744	–	82	401	50	359	176
Alaska	620	620	–	–	–	–	–	–	–	–
Arizona	7,397	5,374	97	1,570	–	120	40	11	185	–
Arkansas	2,301	1,342	25	834	–	–	–	3	97	–
California	246,478	179,904	3,009	42,496	–	2,859	5,923	1,574	9,634	1,079
Colorado	20,381	16,429	473	1,615	–	353	710	143	655	3
Connecticut	43,835	34,238	609	4,616	–	620	1,168	168	2,391	26
Delaware	1,717	1,131	–	586	–	–	–	–	–	–
Dist. of Col.	23,339	12,331	50	9,646	–	56	–	14	282	960
Florida	26,733	20,522	396	4,178	–	220	630	69	718	–
Georgia	20,485	14,123	442	4,689	–	156	123	81	554	316
Hawaii	8,731	3,940	67	1,968	2,635	16	–	5	55	45
Idaho	832	391	22	419	–	–	–	–	–	–
Illinois	70,942	49,755	1,348	11,972	1,105	448	2,391	246	3,359	320
Indiana	17,704	14,038	363	1,439	–	134	636	81	972	42

(Continued)

Table 19 (Cont.)
NIH AWARDS BY STATE AND FUNDING MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

State	Total	Institutes and Research Divisions							NLM awards
		R&D			Cancer construction grants	Research training			
						NRSA		Pre-NRSA	
		Research grants	Research career program awards	R&D contracts		Individual awards	Institutional grants	Individual awards	Institutional grants	
Iowa	$ 14,671	$ 10,705	$ 258	$ 2,601	$ –	$ 125	$ 727	$ 2	$ 161	$ 93
Kansas	11,076	9,151	294	1,003	–	34	197	45	339	13
Kentucky	6,382	4,268	32	1,847	–	46	35	13	76	64
Louisiana	14,294	10,912	220	2,417	–	79	209	9	433	15
Maine	3,918	3,125	29	697	–	13	–	22	7	24
Maryland	137,339	36,794	971	91,316	1,173	925	1,586	856	1,951	1,765
Massachusetts	173,491	124,442	2,563	25,830	6,889	1,894	4,649	930	5,745	550
Michigan	42,407	28,925	379	9,509	256	425	839	196	1,690	189
Minnesota	46,828	29,466	439	13,671	–	291	1,149	251	1,309	252
Mississippi	4,010	2,903	25	931	–	13	39	1	97	–
Missouri	42,297	32,622	814	5,152	–	273	1,576	60	1,611	189
Montana	699	567	74	57	–	–	–	–	–	2
Nebraska	6,394	2,259	54	3,757	–	–	–	3	–	321
Nevada	239	61	–	178	–	–	–	–	–	–
New Hampshire	5,114	3,856	104	1,019	–	23	–	16	97	–
New Jersey	18,511	9,555	212	7,191	–	176	711	106	387	172
New Mexico	7,377	5,758	162	1,431	–	27	–	–	–	–
New York	254,111	201,720	3,477	27,198	4,718	1,611	6,388	1,064	7,134	800
North Carolina	54,319	38,032	1,087	9,390	–	466	2,707	368	2,120	149
North Dakota	459	365	–	–	–	–	–	–	86	7

(Continued)

Table 19 (Cont.)
NIH AWARDS BY STATE AND FUNDING MECHANISM, FISCAL YEAR 1976
(In thousands of dollars)

State	Total	Institutes and Research Divisions								NLM awards
		R&D			Cancer construction grants	Research training				
						NRSA		Pre-NRSA		
		Research grants	Research career program awards	R&D contracts		Individual awards	Institutional grants	Individual awards	Institutional grants	
Ohio	$ 49,780	$ 30,776	$ 570	$ 14,579	$ –	$ 139	$ 607	$ 201	$ 2,010	$ 899
Oklahoma	6,583	4,300	67	1,859	–	18	67	3	235	34
Oregon	18,075	15,093	313	1,832	–	113	83	56	585	–
Pennsylvania	107,711	82,381	1,818	15,693	–	703	2,734	408	3,283	691
Rhode Island	5,212	4,559	92	377	–	39	105	40	–	–
South Carolina	5,209	3,905	75	1,172	–	3	–	15	40	–
South Dakota	344	321	18	–	–	–	–	–	–	5
Tennessee	26,767	22,476	488	1,823	–	114	639	91	1,122	16
Texas	80,859	57,288	1,290	17,926	–	523	1,421	376	1,619	414
Utah	15,028	10,816	349	3,141	–	91	133	108	391	–
Vermont	6,817	5,281	118	1,023	–	10	159	38	188	–
Virginia	37,574	13,489	619	21,276	–	280	583	63	939	325
Washington	48,952	34,604	695	7,069	1,977	353	1,208	244	2,513	289
West Virginia	1,262	934	31	191	–	–	88	–	12	6
Wisconsin	39,682	30,015	536	4,639	1,247	292	1,991	264	667	32
Wyoming	406	192	47	167	–	–	–	–	–	–
Puerto Rico	3,656	2,306	56	1,239	–	–	–	–	56	–
Pacific Trust Terr.	83	–	–	83	–	–	–	–	–	–
Virgin Islands	79	79	–	–	–	–	–	–	–	–
Foreign	15,133	4,301	–	10,055	–	694	–	83	–	–

Table 20
NIH AWARDS BY PERFORMER AND FUNDING MECHANISM, FISCAL YEAR 1976
(Dollars in thousands)

Performer	Total			Institutes and Research Divisions								
				R&D							Cancer construction grants	
				Total amount	Research grants		Research career program awards		R&D contracts			
	No. of inst.*	Amount	Percent		No. of inst.*	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	**1,173**	**$1,830,505**	**100.0%**	**$1,678,172**	**816**	**14,264**	**$1,248,469**	**1,024**	**$25,596**	**1,976**	**$404,107**	**14**	**$20,000**
Domestic	1,041	1,815,372	99.2	1,663,816	744	14,143	1,244,168	1,024	25,596	1,860	394,052	14	20,000
Nonprofit	901	1,677,486	91.6	1,528,198	744	14,143	1,244,168	1,024	25,596	1,553	258,434	14	20,000
Higher education†	391	1,310,024	71.6	1,183,190	387	11,824	1,000,168	928	23,212	958	159,810	11	11,393
Medical schools‡	116	891,485	48.7	807,977	113	7,177	680,975	630	16,168	686	110,834	8	8,327
Government	113	39,836	2.2	37,696	67	309	25,025	11	271	90	12,400	–	–
Federal	38	3,561	0.2	2,464	21	26	1,674	–	–	8	790	–	–
Research institutes	7	977	0.1	–	–	–	–	–	–	–	–	–	–
Hospitals	22	1,613	0.1	1,584	19	24	1,584	–	–	–	–	–	–
Other	9	971	0.1	880	2	2	90	–	–	8	790	–	–
State and local	75	36,275	2.0	35,232	46	283	23,351	11	271	82	11,610	–	–
Research institutes	5	2,209	0.1	2,166	4	32	1,918	4	100	3	148	–	–
Hospitals	33	24,592	1.3	23,621	27	202	18,275	6	146	39	5,200	–	–
Other	37	9,474	0.5	9,444	15	49	3,157	1	25	40	6,262	–	–
Other nonprofit	397	327,626	17.9	307,312	290	2,010	218,975	85	2,113	505	86,224	3	8,607
Research institutes	135	186,620	10.2	173,686	107	978	120,306	36	888	287	52,492	3	8,607
Hospitals§	160	119,089	6.5	114,003	122	913	89,713	47	1,181	146	23,109	–	–
Other	102	21,916	1.2	19,623	61	119	8,956	2	44	72	10,623	–	–
Profit	140	137,886	7.5	135,617	–	–	–	–	–	307	135,617	–	–
Research institutes	59	38,888	2.1	38,829	–	–	–	–	–	145	38,829	–	–
Other	81	98,999	5.4	96,788	–	–	–	–	–	162	96,788	–	–
Foreign	132	15,133	0.8	14,356	72	121	4,301	–	–	116	10,055	–	–

*Each individual organization, or separate branch of a university or college belonging to a State system of higher education, is counted separately. †Contains all hospitals owned by these institutions. ‡Contains joint schools of medicine and dentistry. §Independent hospitals not owned by institutions classified as "higher education," "government," or "research institute." ||U.S. citizens and nationals training in foreign institutions.

(Continued)

Table 20 (Cont.)
NIH AWARDS BY PERFORMER AND FUNDING MECHANISM, FISCAL YEAR 1976
(Dollars in thousands)

Performer	Total amount	Institutes and Research Divisions								NLM awards	
		Research training									
		NRSA				Pre-NRSA					
		Individual awards		Institutional grants		Individual awards		Institutional grants			
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number of inst.*	Amount
Total	**$122,049**	**1,072**	**$14,857**	**499**	**$42,651**	**581**	**$8,377**	**840**	**$56,164**	**164**	**$10,284**
Domestic	121,273	1,023	14,163	499	42,651	575	8,295	840	56,164	164	10,284
Nonprofit	121,273	1,023	14,163	499	42,651	575	8,295	840	56,164	136	8,015
Higher education†	110,489	888	12,345	455	39,234	483	7,031	782	51,879	86	4,952
Medical schools‡	**71,626**	**514**	**7,199**	**317**	**26,374**	**299**	**4,390**	**489**	**33,663**	**56**	**3,557**
Government	2,016	58	716	6	302	43	587	7	411	4	124
Federal	1,020	47	547	–	–	36	473	–	–	1	77
Research institutes	977	45	519	–	–	35	458	–	–	–	–
Hospitals	28	2	27	–	–	–	1	–	–	–	–
Other	14	–	–	–	–	1	14	–	–	1	77
State and local	996	11	169	6	302	7	114	7	411	3	47
Research institutes	43	2	28	–	–	1	15	–	–	–	–
Hospitals	923	9	137	5	282	6	98	6	406	3	47
Other	30	–	5	1	20	–	–	1	5	–	–
Other nonprofit	8,768	77	1,102	38	3,116	49	677	51	3,873	46	2,939
Research institutes	3,471	43	604	15	1,671	29	375	14	821	7	856
Hospitals§	4,920	31	456	22	1,330	19	284	34	2,850	14	166
Other	376	3	41	1	115	1	17	3	203	25	1,917
Profit	–	–	–	–	–	–	–	–	–	28	2,269
Research institutes	–	–	–	–	–	–	–	–	–	1	59
Other	–	–	–	–	–	–	–	–	–	27	2,210
Foreign	777	49‖	694‖	–	–	6‖	83‖	–	–	–	–

See footnotes at beginning of table.

Table 21
NIH AWARDS TO DOMESTIC INSTITUTIONS OF HIGHER EDUCATION
BY MAJOR COMPONENT AND FUNDING MECHANISM, FISCAL YEAR 1976
(Dollars in thousands)

Major component	Total		Institutes and Research Divisions								
			R&D							Cancer construction grants	
			Total amount	Research grants		Research career program awards		R&D contracts			
	Amount	Percent		Number	Amount	Number	Amount	Number	Amount	Number	Amount
(Total - all institutions)	($1,830,505)		($1,678,172)	(14,264)	($1,248,469)	(1,024)	($25,596)	(1,976)	($404,107)	(14)	($20,000)
Total - higher education	**1,310,024**	**100.0%**	**1,183,190**	**11,824**	**1,000,168**	**928**	**23,212**	**958**	**159,810**	**11**	**11,393**
Health professional components	1,016,478	77.6	922,850	8,091	758,505	691	17,677	816	146,668	8	8,327
Medical schools*	**891,485**	**68.1**	**807,977**	**7,177**	**680,975**	**630**	**16,168**	**686**	**110,834**	**8**	**8,327**
Public health	46,655	3.6	42,777	199	21,625	12	312	33	20,840	–	–
Dentistry	24,728	1.9	21,494	264	19,241	22	527	25	1,725	–	–
Hospitals†	24,939	1.9	24,472	111	17,082	6	151	26	7,239	–	–
Veterinary medicine	13,385	1.0	12,234	145	10,009	6	147	13	2,078	–	–
Pharmacy	10,407	0.8	9,346	154	7,606	10	239	17	1,501	–	–
Other	4,877	0.4	4,551	41	1,966	5	133	16	2,452	–	–
Schools of A&S and graduate schools	194,740	14.9	171,628	2,796	160,155	202	4,712	75	6,762	1	90
Other components	98,806	7.5	88,713	937	81,508	35	823	67	6,381	2	2,976
Organized research units	26,092	2.0	22,097	167	20,613	4	87	14	1,397	2	2,976
Engineering	21,442	1.6	18,931	233	16,557	16	387	24	1,988	–	–
Agriculture	18,002	1.4	15,629	279	14,440	8	181	11	1,008	–	–
Primate centers	8,344	0.6	8,322	20	7,966	1	21	8	336	–	–
University-wide	15,824	1.2	15,824	175	15,751	–	–	1	74	–	–
Other	9,103	0.7	7,909	63	6,181	6	148	9	1,580	–	–

*Contains joint schools of medicine and dentistry. †Hospitals owned by institutions of higher education.

(Continued)

Table 21 (Cont.)
NIH AWARDS TO DOMESTIC INSTITUTIONS OF HIGHER EDUCATION
BY MAJOR COMPONENT AND FUNDING MECHANISM, FISCAL YEAR 1976
(Dollars in thousands)

Major component	Total amount	Institutes and Research Divisions								NLM awards
		Research training								
		NRSA				Pre-NRSA				
		Individual awards		Institutional grants		Individual awards		Institutional grants		
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Amount
(Total - all institutions)	($122,049)	(1,072)	($14,857)	(499)	($42,651)	(581)	($8,377)	(840)	($56,164)	($10,284)
Total - higher education	**110,489**	**888**	**12,345**	**455**	**39,234**	**483**	**7,031**	**782**	**51,879**	**4,952**
Health professional components	81,542	566	7,955	366	30,282	344	5,073	561	38,232	3,758
Medical schools*	71,626	514	7,199	317	26,374	299	4,390	489	33,663	3,557
Public health	3,877	13	193	23	1,780	17	261	22	1,643	1
Dentistry	3,141	18	262	12	1,146	16	236	24	1,497	93
Hospitals†	467	3	33	3	422	1	12	–	–	–
Veterinary medicine	1,144	12	182	4	208	6	95	11	659	7
Pharmacy	1,061	2	30	6	330	2	39	12	662	–
Other	226	4	56	1	22	3	40	3	108	100
Schools of A&S and graduate schools	22,562	269	3,654	67	6,928	119	1,657	165	10,323	461
Other components	6,383	53	736	22	2,023	20	301	56	3,324	733
Organized research units	954	14	201	5	267	6	85	7	401	64
Engineering	2,422	21	276	7	466	7	95	25	1,585	88
Agriculture	2,346	12	174	8	1,172	6	102	18	899	26
Primate centers	22	1	19	–	–	–	3	–	–	–
University-wide	–	–	–	–	–	–	–	–	–	–
Other	639	5	66	2	118	1	16	6	439	554

See footnotes at beginning of table.

Table 22
NIH AWARDS BY NIH COMPONENT AND PERFORMER, FISCAL YEAR 1976
(In thousands of dollars)

NIH component	Total	Domestic nonprofit institutions								Domestic profit institutions			Foreign
		Total	Higher education				Research institutes	Hospitals†	Other	Total	Research institutes	Other	
			Total	Medical schools*	Other health professional schools	Other							
Total	$1,830,505	$1,677,486	$1,310,024	$891,485	$124,992	$293,546	$189,807	$145,293	$32,362	$137,886	$38,888	$98,999	$15,133
I/RD	1,820,221	1,669,471	1,305,072	887,928	124,791	292,352	188,951	145,080	30,368	135,617	38,829	96,789	16,133
NIA	12,526	12,074	10,113	5,416	887	3,811	1,504	331	126	425	–	425	28
NIAID	93,371	91,636	75,547	49,455	7,011	19,081	8,485	6,103	1,503	945	900	47	788
NIAMDD	140,688	138,799	113,112	88,980	3,593	20,539	8,206	16,913	568	955	309	646	934
NCI	623,032	500,296	318,857	237,339	37,274	44,244	108,476	55,830	17,133	113,100	30,088	83,012	9,636
NICHD	113,710	111,573	89,887	52,950	7,457	29,480	12,021	7,995	1,670	1,228	791	437	909
NIDR	35,795	34,815	30,087	6,516	20,341	3,230	2,551	545	1,632	740	321	419	240
NIEHS	25,453	23,879	21,055	10,101	3,945	7,010	2,483	315	26	1,477	1,120	357	96
NEI	42,124	41,869	34,904	25,143	1,322	8,439	3,747	2,957	261	–	–	–	255
NIGMS	179,237	178,296	165,821	82,094	4,704	79,023	8,065	3,713	696	405	324	81	537
NHLBI	310,683	298,708	248,144	195,608	27,386	25,150	17,454	29,918	3,193	10,935	2,537	8,388	1,040
NINCDS	109,060	106,716	92,172	71,006	3,557	17,610	4,836	8,844	863	1,680	1,563	118	864
DRR	129,764	126,946	103,271	62,024	7,220	34,027	10,422	11,527	1,726	2,818	818	2,000	–
FIC	2,080	2,073	1,658	1,271	95	292	310	90	15	–	–	–	7
OTHER‡	2,698	1,781	445	27	–	418	390	–	956	907	57	850	–
NLM	10,284	8,015	4,952	3,557	201	1,194	856	213	1,994	2,269	59	2,210	–

*Contains joint schools of medicine end dentistry. †Includes all nonprofit hospitals not owned by schools or research institutes. ‡Includes CC, DCRT, DRS, and OD.

Table 23
NIH AWARDS TO U.S. MEDICAL SCHOOLS BY FUNDING MECHANISM,
FISCAL YEARS 1967-1976*
(Dollars in thousands)

Fiscal year	Total amount	Institutes and Research Divisions												NLM awards
		R&D						Construction grants		Research training				
		Research grants		Research career program awards		R&D contracts				Individual awards		Institutional grants		
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Amount
1967	$435,727	6,907	$303,772	916	$18,842	NA	NA	31	$18,541	1,142	$ 8,923	1,539	$ 84,188	$1,461
1968	466,532	6,508	323,143	932	20,080	NA	NA	25	21,525	1,197	10,497	1,565	84,630	6,657
1969	465,896	6,236	329,507	877	20,116	NA	NA	10	12,535	1,320	11,581	1,566	89,763	2,394
1970	431,906	5,794	318,574	805	19,349	NA	NA	1	24	992	9,143	1,440	83,882	933
1971	479,600	5,731	363,928	777	19,265	NA	NA	—	—	1,031	10,271	1,425	85,052	1,085
1972	566,064	5,842	435,333	747	18,573	NA	NA	4	11,292	917	9,377	1,361	89,979	1,511
1973	636,459	5,731	447,226	687	17,004	527	$ 74,388	9	18,310	524	5,518	1,135	69,437	4,674
1974	851,197	6,668	588,948	625	15,854	688	110,695	5	14,525	1,107	15,370	1,911	100,655	5,150
1975	873,620	6,728	620,610	685	17,330	733	118,583	7	17,029	981	13,436	1,127	82,054	4,578
1976	891,485	7,177	680,975	630	16,168	686	110,834	8	8,327	813	11,589	806	60,037	3,557

*Contains joint schools of medicine and dentistry.

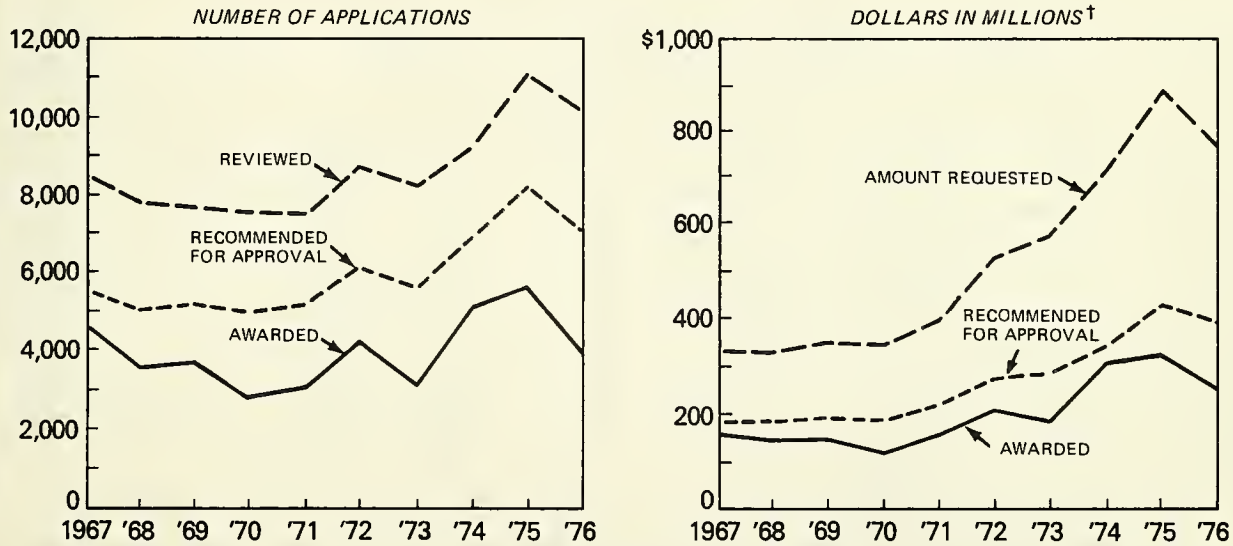
Table 24
NIH SUPPORT OF CLINICAL TRIALS ACTIVE IN FISCAL YEAR 1975, BY NIH COMPONENT AND FUNCTION/MECHANISM
(Dollars in thousands)

NIH component	Number of trials	Support prior to 1975	1975 support					
			Total	Extramural				Intramural†
				Total	Research grants	R&D contracts*	Grants & contracts	
Total	755	$209,110	$87,818	$80,553	$25,144	$52,528	$2,881	$7,265
NIAID	109	5,452	3,091	2,779	1,268	1,511	—	312
NIAMDD	49	18,315	3,366	2,715	1,784	931	—	650
NCI	405	43,521	26,541	24,064	14,008	7,453	2,603	2,477
NICHD	41	9,707	3,856	3,355	1,321	1,837	197	502
NIDR	44	4,876	1,718	1,054	821	233	—	664
NEI	20	7,324	3,070	2,891	787	2,104	—	179
NIGMS	2	154	56	56	56	—	—	—
NHLBI	26	111,550	42,698	42,197	4,300	37,816	80	502
NINCDS	59	8,212	3,423	1,443	799	643	—	1,980

*Includes interagency agreements without intramural support. †Includes interagency agreements with intramural support.

Figure 3

NIH COMPETING RESEARCH GRANT APPLICATIONS REVIEWED BY COUNCILS, FISCAL YEARS 1967-1976*



*All years include RCPAs; exclude NLM, originals of amended applications, and applications awarded for budget periods of 24 months or more. †Direct costs only.

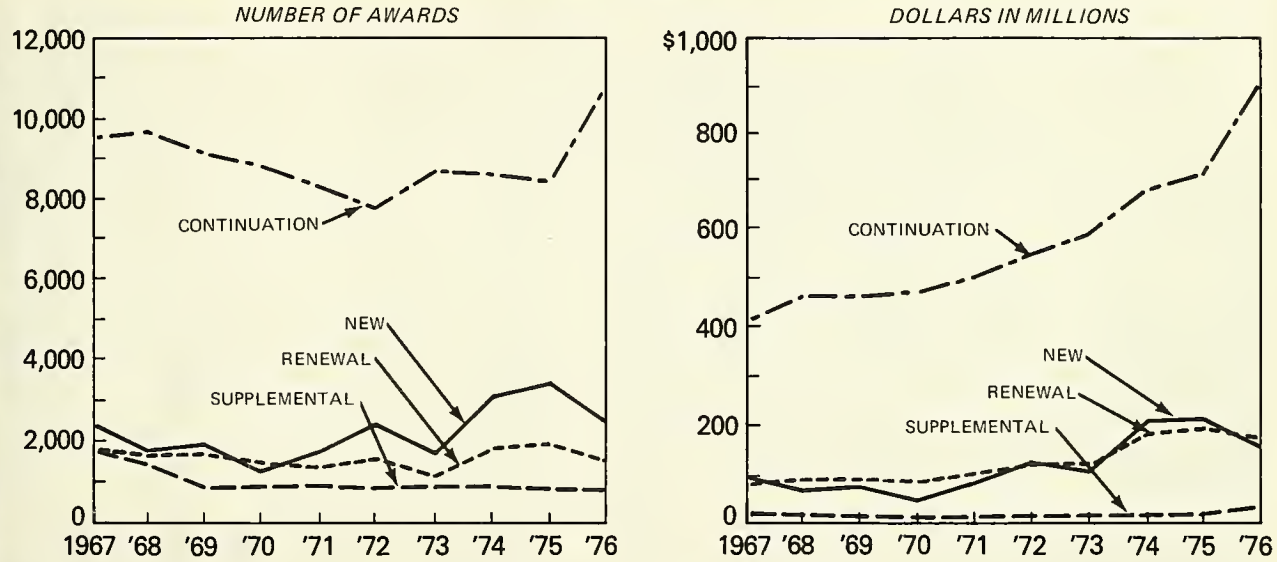
Table 25
AWARD RATES FOR NIH COMPETING RESEARCH GRANT APPLICATIONS BY NIH COMPONENT, FISCAL YEARS 1967 AND 1976*

NIH component	Number						Amount (in thousands of dollars)†					
	Reviewed by councils		Percent recommended for approval		Percent of council recommendations awarded		Requested in reviewed applications		Percent recommended for approval		Percent of council recommendations awarded	
	1967	1976	1967	1976	1967	1976	1967	1976	1967	1976	1967	1976
Total	**8,536**	**10,254**	**66.2%**	**70.0%**	**81.5%**	**54.9%**	**$331,553**	**$770,851**	**55.8%**	**51.2%**	**83.1%**	**64.7%**
NIA	—	204	—	55.4	—	27.4	—	13,731	—	39.6	—	29.5
NIAID	905	811	71.2	77.9	85.7	30.8	26,447	41,435	65.0	62.8	88.2	45.0
NIAMDD	1,652	1,143	66.3	74.1	83.0	55.4	51,216	70,044	58.1	55.2	84.4	61.1
NCI	837	2,337	61.2	65.1	81.8	59.5	38,608	233,532	52.4	46.0	85.9	69.2
NICHD	782	986	54.1	64.9	81.1	43.8	30,074	60,670	43.5	49.2	81.1	53.8
NIDR	247	329	53.8	54.1	83.7	60.7	11,252	15,386	59.6	41.7	77.0	61.5
NIEHS	78	215	66.7	52.1	90.0	35.7	4,935	13,900	44.8	40.4	94.6	55.0
NEI	—	292	—	85.3	—	70.0	—	15,874	—	68.5	—	68.4
NIGMS	1,472	1,307	73.2	79.0	63.6	64.3	60,463	83,939	56.8	54.2	72.2	71.6
NHLBI	1,285	1,623	61.6	73.1	86.5	64.2	53,336	131,209	51.2	52.0	88.0	68.7
NINCDS	1,119	877	71.3	66.8	93.5	43.7	36,381	53,746	61.9	49.9	90.9	59.0
DRR	84	130	72.6	63.8	83.3	79.5	18,617	37,383	61.7	63.3	78.7	78.0
FIC	75	—	89.3	—	97.0	—	225	—	100.8	—	90.9	—

*Excludes NLM, applications with later amendments, and applications withdrawn prior to council review. Includes applications withdrawn subsequent to council review. Includes RCPAs. Applications awarded for budget periods of 24 months or more are included in computing rates of recommendations for approval but not award rates. †Direct costs only.

Figure 4

NIH RESEARCH GRANTS BY TYPE, FISCAL YEARS 1967-1976*



*Excludes NLM. Includes RCPAs. All GRS programs (except "Minority biomedical support grants") are included under "Continuations."

Table 26
NIH COMPETING AND NONCOMPETING RESEARCH GRANTS BY KIND AND TYPE, FISCAL YEAR 1976*
(Dollars in thousands)

Kind of grant	Total		Competing grants						Noncompeting grants			
			New		Renewal		Supplemental		Continuation		Supplemental	
	Number†	Amount	Number	Amount	Number	Amount	Number†	Amount	Number	Amount	Number†	Amount
Total	**15,533**	**$1,274,065**	**2,441**	**$161,092**	**1,534**	**$175,133**	**167**	**$8,573**	**10,707**	**$903,940**	**684**	**$25,328**
Research projects	12,911	757,600	2,108	120,430	1,394	104,388	127	6,008	8,704	516,807	578	9,967
Traditional	11,988	688,334	1,834	105,817	1,309	95,638	111	3,518	8,261	476,868	473	6,493
Cooperative clinical research	281	23,521	15	893	37	3,931	14	2,372	125	13,220	90	3,104
National organ site projects	196	14,090	47	2,904	33	2,597	1	37	108	8,418	7	135
Other	446	31,655	212	10,816	15	2,223	1	81	210	18,300	8	235
Research career program awards	1,027	25,596	227	5,414	7	175	2	29	783	19,969	8	9
Program projects and centers	1,064	439,316	102	34,865	130	70,277	32	2,308	710	316,878	90	14,989
Research program projects	518	213,506	48	22,180	64	35,754	19	1,359	352	149,362	35	4,849
Specialized centers of research	181	80,634	15	7,324	21	9,923	7	205	110	54,934	28	8,249
Center core grants	100	57,947	12	2,233	10	7,559	4	335	67	46,829	7	990
General clinical research centers	87	42,137	1	277	17	9,240	—	—	69	32,620	—	—
Animal resources	70	17,622	12	1,452	8	6,302	—	—	45	9,566	5	302
Comprehensive centers of research	20	12,169	—	—	—	—	—	—	18	12,123	2	47
Biotechnology resources	49	11,976	2	617	6	1,122	1	309	33	9,752	7	176
Exploratory grants	39	3,325	12	782	4	376	1	99	16	1,691	6	377
General research support programs	531	51,552	4	383	3	293	6	227	510	50,287	8	362
Biomedical research support grants	441	42,757	—	—	—	—	—	—	441	42,757	—	—
Minority biomedical support grants	90	8,795	4	383	3	293	6	227	69	7,530	8	362

*Excludes NLM. †Each supplemental grant is counted separately.

Table 27
AVERAGE AMOUNT OF NIH RESEARCH GRANTS BY NIH COMPONENT AND KIND OF GRANT, FISCAL YEARS 1970 AND 1976*

NIH component	Total		Research projects						Program projects and centers	
			Total		Traditional		Other			
	1970	1976	1970	1976	1970	1976	1970	1976	1970	1976
Total†	**$ 56,214**	**$ 89,471**	**$37,279**	**$61,221**	**$36,868**	**$59,800**	**$49,152**	**$ 81,430**	**$274,521**	**$449,920**
NIA	—	85,430	—	53,871	—	53,871	—	—	—	255,497
NIAID	39,432	65,197	37,775	60,948	35,759	58,725	62,232	91,855	266,644	214,346
NIAMDD	37,303	67,820	33,513	60,346	33,389	60,409	44,748	47,471	187,809	318,129
NCI	66,028	113,218	49,559	72,657	49,963	65,489	47,662	98,982	310,818	597,818
NICHD	48,892	77,261	36,124	58,974	36,298	58,939	19,828	62,899	224,614	316,888
NIDR	67,916	74,609	33,212	46,806	33,212	55,155	—	13,158	257,633	587,419
NIEHS	78,019	102,862	30,616	56,693	30,616	55,534	—	155,810	292,723	502,225
NEI	41,201	57,663	34,728	54,023	34,822	55,887	1,000	8,182	130,833	185,753
NIGMS	60,829	70,005	41,277	55,143	41,432	55,699	14,485	10,570	310,472	401,802
NHLBI	54,351	106,187	38,781	63,185	38,861	63,789	14,748	44,558	378,727	623,406
NINCDS	37,602	76,101	30,163	54,855	30,245	55,079	13,538	15,029	188,615	357,808
DRR†	172,733	171,140	61,838	71,624	61,838	51,379	—	182,973	291,829	369,317

*Excludes NLM, RCPAs, and supplements to prior-year awards. Supplements to current-year awards are combined with parent grant. †GRS programs (with an average amount of $123,241 for FY 1970 and $99,661 for FY 1976) are included in computing DRR and NIH averages.

Table 28
DIRECT AND INDIRECT COSTS AWARDED FOR NIH RESEARCH GRANTS BY PERFORMER, FISCAL YEARS 1970, 1972, 1974, AND 1976*
(In thousands of dollars)

Performer	1970			1972			1974			1976		
	Total cost	Direct cost	Indirect cost	Total cost	Direct cost	Indirect cost	Total cost	Direct cost	Indirect cost	Total cost	Direct cost	Indirect cost
Total	$538,971	$430,235	$108,736	$742,617	$582,056	$160,561	$989,479	$752,645	$236,834	$1,196,917	$889,545	$307,371
Public	243,419	192,608	50,810	337,776	263,272	74,505	446,322	341,519	104,803	527,640	400,070	127,570
Private	295,553	237,627	57,926	404,841	318,785	86,056	543,157	411,126	132,031	669,276	489,475	179,801
Higher education	434,572	345,675	88,897	608,845	474,005	134,840	797,972	603,925	194,047	958,820	710,517	248,303
Public	227,911	179,823	48,087	318,986	247,933	71,053	420,573	320,733	99,840	501,615	378,841	122,774
Private	206,661	165,852	40,810	289,859	226,072	63,787	377,398	283,192	94,207	457,206	331,676	125,529
Research institutes	42,389	33,674	8,715	58,185	45,640	12,545	89,592	66,245	23,347	117,755	83,826	33,930
Public	1,960	1,586	373	2,300	1,803	497	1,989	1,543	446	1,981	1,548	433
Private	40,428	32,087	8,341	55,885	43,837	12,048	87,604	64,702	22,901	115,774	82,277	33,497
Independent hospitals†	53,271	43,180	10,090	66,393	54,486	11,906	90,393	72,498	17,895	104,570	81,681	22,888
Public	10,304	8,181	2,123	13,681	11,032	2,649	19,507	15,561	3,945	19,003	15,295	3,708
Private	42,967	34,999	7,967	52,712	43,455	9,257	70,886	56,937	13,949	85,567	66,386	19,180
Other	8,740	7,706	1,034	9,195	7,925	1,270	11,522	9,977	1,546	15,772	13,521	2,250
Public	3,244	3,017	227	2,809	2,504	305	4,253	3,682	572	5,042	4,386	656
Private	5,497	4,689	808	6,385	5,421	964	7,269	6,295	974	10,730	9,135	1,594

*Excludes NLM, RCPAs, and GRS programs. †Includes hospitals not owned by institutions shown above.

Tabla 29
GRANTEE EXPENDITURES FROM NIH RESEARCH GRANT FUNDS BY NIH COMPONENT AND KIND OF GRANT AND BY TYPE OF EXPENDITURE, FISCAL YEAR 1973*
(Dollars in thousands)

NIH component and kind of grant	Total expenditures	Direct cost expenditures										Indirect cost expenditures		
		Total amount	Percent distribution											
			Total	Personnel	Consultants	Patient care cost	Travel	Equipment	Supplies	Alterations	Other	Amount	Percent of total	Percent of direct
Total	$805,009	$634,463	100.0%	64.0%	0.5%	3.7%	1.3%	8.5%	15.0%	0.7%	6.4%	$170,547	21.2%	26.9%
I/RD	804,049	633,719	100.0	64.0	0.6	3.7	1.3	8.5	16.0	0.7	6.4	170,330	21.2	26.8
NIA	–	–	–	–	–	–	–	–	–	–	–	–	–	–
NIAID	58,912	44,933	100.0	65.0	0.1	0.3	1.5	6.9	21.0	0.1	5.2	13,979	23.7	31.1
NIAMDD	89,693	67,946	100.0	67.6	0.2	1.2	1.4	6.8	17.9	0.1	5.0	21,747	24.2	32.0
NCI	150,959	117,571	100.0	62.8	1.6	4.1	1.5	6.9	15.8	1.6	5.8	33,388	22.1	28.4
NICHD	60,055	45,354	100.0	70.0	0.5	0.2	1.4	6.8	14.6	0.3	6.1	14,701	24.5	32.4
NIDR	20,816	15,218	100.0	72.9	0.4	0.1	1.7	5.7	14.5	0.1	4.7	5,398	26.2	35.6
NIEHS	12,600	9,392	100.0	72.7	0.2	0.0	1.6	5.8	14.5	0.1	5.1	3,208	25.5	34.2
NEI	21,896	16,310	100.0	69.4	0.4	0.4	1.6	8.2	15.2	0.0	4.7	5,586	25.5	34.2
NIGMS	92,401	70,019	100.0	63.6	0.2	0.2	1.3	9.8	17.6	0.5	6.7	22,382	24.2	32.0
NHLBI	134,318	103,982	100.0	64.0	0.3	1.8	1.4	8.4	14.3	0.2	9.5	30,337	22.6	29.2
NINCDS	59,020	44,662	100.0	66.4	0.3	0.4	1.5	10.5	15.3	0.5	5.1	14,358	24.3	32.1
DRR	103,574	98,331	100.0	55.6	0.3	15.5	0.7	11.9	8.4	1.3	6.3	5,243†	5.1†	5.3†
NLM	960	745	100.0	73.0	2.0	0.0	3.0	4.0	7.5	0.0	10.5	216	22.5	29.0
Total	$805,009	$634,463	100.0%	64.0%	0.5%	3.7%	1.3%	8.5%	15.0%	0.7%	6.4%	$170,547	21.2%	26.9%
Research projects†	458,605	348,675	100.0	66.2	0.3	0.4	1.7	7.9	17.8	0.1	5.6	110,930	24.1	31.8
Program projects and centers	307,961	248,344	100.0	61.7	0.8	8.9	0.9	7.4	11.3	1.4	7.7	59,616	19.4	24.0
GRS programs	37,444	37,444	100.0	58.2	0.7	0.1	1.1	20.6	13.1	1.2	5.1	–†	–†	–†

*Unobligated balances of the previous year are included, and those of the current year are excluded. Contains supplements to current-year awards regardless of when funded. †Indirect costs are not paid on GRS programs. ‡Excludes RCPAs.

Table 30
NIH SUPPORT FOR POSITIONS FUNDED FROM FISCAL YEAR 1974 RESEARCH GRANTS BY OCCUPATIONAL CATEGORY*
(Dollars in thousands)

Occupational category	Total				Research projects				Program projects and centers			
	Number of grants	Number of funded positions		Salary paid from grants	Number of grants	Number of funded positions		Salary paid from grants	Number of grants	Number of funded positions		Salary paid from grants
		Total	Average per grant			Total	Average per grant			Total	Average per grant	
Total	11,522	84,290	7.3	$424,580	10,630	59,731	5.6	$268,945	892	24,559	27.5	$155,635
Faculty	7,265	14,371	2.0	119,062	6,489	9,548	1.5	71,429	776	4,823	6.2	47,633
Nonfaculty (professional)	5,181	12,087	2.3	86,334	4,578	8,501	1.9	57,833	603	3,586	5.9	28,501
In training status	4,467	10,865	2.4	38,625	4,133	9,542	2.3	32,967	334	1,323	4.0	5,658
Clinical support	430	1,944	4.5	12,309	260	650	2.5	2,855	170	1,294	7.6	9,453
Technical staff	8,623	30,296	3.5	126,953	7,847	21,703	2.8	82,761	776	8,593	11.1	44,192
Clerical & administrative	4,606	9,716	2.1	32,222	3,859	6,183	1.6	16,334	747	3,533	4.7	15,887
Other staff	1,706	5,011	2.9	9,076	1,447	3,604	2.5	4,765	259	1,407	5.4	4,310

*Includes NLM. Excludes RCPAs, GRS programs, foreign grants, supplemental awards, and fringe benefits. Includes individuals supported for short periods.

Table 31

NUMBER OF PERSONS IN NIH RESEARCH TRAINING PROGRAMS BY NIH COMPONENT AND ACADEMIC LEVEL, FISCAL YEARS 1975 AND 1976*

1975

NIH component	Total					Individual awards					Institutional grants				
	Total	Pre-doctoral	Postdoctoral			Total	Pre-doctoral	Postdoctoral			Total	Pre-doctoral	Postdoctoral		
			Total	M.D.†	Ph.D.‡			Total	M.D.†	Ph.D.‡			Total	M.D.†	Ph.D.‡
TOTAL															
Total	**13,083**	**7,195**	**5,888**	**2,797**	**3,091**	**2,109**	**26**	**2,083**	**441**	**1,642**	**10,974**	**7,169**	**3,805**	**2,356**	**1,449**
NIA	5	—	5	—	5	—	—	—	—	—	5	—	5	—	5
NIAID	757	312	445	181	264	214	—	214	44	170	543	312	231	137	94
NIAMDD	640	45	595	411	184	194	—	194	71	123	446	45	401	340	61
NCI	1,578	599	979	352	627	373	—	373	49	324	1,205	599	606	303	303
NIDR	319	96	223	144	79	60	—	60	26	34	259	96	163	118	45
NIEHS	313	220	93	5	88	32	—	32	2	30	281	220	61	3	58
NEI	238	49	189	72	117	75	—	75	17	58	163	49	114	55	59
NIGMS	6,030	4,854	1,176	373	803	436	25	411	22	389	5,594	4,829	765	351	414
NICHD	967	602	365	122	243	139	—	139	24	115	828	602	226	98	128
NHLBI	1,195	291	904	567	337	204	—	204	65	139	991	291	700	502	198
NINCDS	872	126	746	454	292	229	—	229	21	208	643	126	517	433	84
DRR	18	—	18	18	—	2	—	2	2	—	16	—	16	16	—
FIC	151	1	150	98	52	151	1	150	98	52	—	—	—	—	—
NRSA															
Total	**3,280**	**1,127**	**2,153**	**465**	**1,688**	**1,354**	**—**	**1,354**	**206**	**1,148**	**1,926**	**1,127**	**799**	**259**	**540**
NIA	5	—	5	—	5	—	—	—	—	—	5	—	5	—	5
NIAID	190	—	190	32	158	177	—	177	27	150	13	—	13	5	8
NIAMDD	213	7	206	104	102	120	—	120	39	81	93	7	86	65	21
NCI	697	206	491	77	414	246	—	246	31	215	451	206	245	46	199
NIDR	62	4	58	27	31	42	—	42	17	25	20	4	16	10	6
NIEHS	64	21	43	2	41	18	—	18	1	17	46	21	25	1	24
NEI	117	14	103	18	85	64	—	64	14	50	53	14	39	4	35
NIGMS	1,200	790	410	43	367	273	—	273	11	262	927	790	137	32	105
NICHD	132	28	104	22	82	74	—	74	8	66	58	28	30	14	16
NHLBI	356	52	304	118	186	136	—	136	43	93	220	52	168	75	93
NINCDS	243	5	238	21	217	203	—	203	14	189	40	5	35	7	28
DRR	1	—	1	1	—	1	—	1	1	—	—	—	—	—	—

*Funded in FY shown, but majority training in following year. †Contains equivalent health-professionals and persons holding both M.D. and Ph.D. or equivalent. ‡Contains persons with equivalent academic doctorate.

(Continued)

Table 31 (Cont.)

NUMBER OF PERSONS IN NIH RESEARCH TRAINING PROGRAMS BY NIH COMPONENT AND ACADEMIC LEVEL, FISCAL YEARS 1975 AND 1976*

NIH component	1976										
	Total (est.)			Individual awards					Institutional grants (est.)		
						Postdoctoral					
	Total	Pre-doctoral	Post-doctoral	Total	Pre-doctoral	Total	M.D.†	Ph.D.†	Total	Pre-doctoral	Post-doctoral
					TOTAL						
Total	10,546	5,403	5,143	1,723	14	1,709	371	1,338	8,823	5,389	3,434
NIA	141	84	57	22	–	22	–	22	119	84	35
NIAID	575	138	437	188	–	188	41	147	387	138	249
NIAMDD	335	22	313	87	–	87	17	70	248	22	226
NCI	1,408	548	860	195	–	195	29	166	1,213	548	665
NIDR	354	77	277	59	–	59	27	32	295	77	218
NIEHS	194	110	84	18	–	18	2	16	176	110	66
NEI	295	61	234	90	–	90	15	75	205	61	144
NIGMS	4,448	3,654	794	222	14	208	14	194	4,226	3,640	586
NICHD	789	437	352	165	–	165	31	134	624	437	187
NHLBI	1,211	201	1,010	240	–	240	73	167	971	201	770
NINCDS	609	71	538	266	–	266	17	249	343	71	272
DRR	19	–	19	3	–	3	3	–	16	–	16
FIC	168	–	168	168	–	168	102	66	–	–	–
					NRSA						
Total	4,770	1,927	2,843	1,116	–	1,116	203	913	3,654	1,927	1,727
NIA	34	3	31	12	–	12	–	12	22	3	19
NIAID	248	–	248	161	–	161	38	123	87	–	87
NIAMDD	260	19	241	24	–	24	3	21	236	19	217
NCI	978	407	571	94	–	94	17	77	884	407	477
NIDR	157	28	129	40	–	40	18	22	117	28	89
NIEHS	68	28	40	2	–	2	1	1	66	28	38
NEI	196	29	167	80	–	80	15	65	116	29	87
NIGMS	1,483	1,205	278	134	–	134	6	128	1,349	1,205	144
NICHD	274	96	178	117	–	117	19	98	157	96	61
NHLBI	697	95	602	197	–	197	67	130	500	95	405
NINCDS	366	17	349	252	–	252	16	236	114	17	97
DRR	9	–	9	3	–	3	3	–	6	–	6

See footnotes at beginning of table

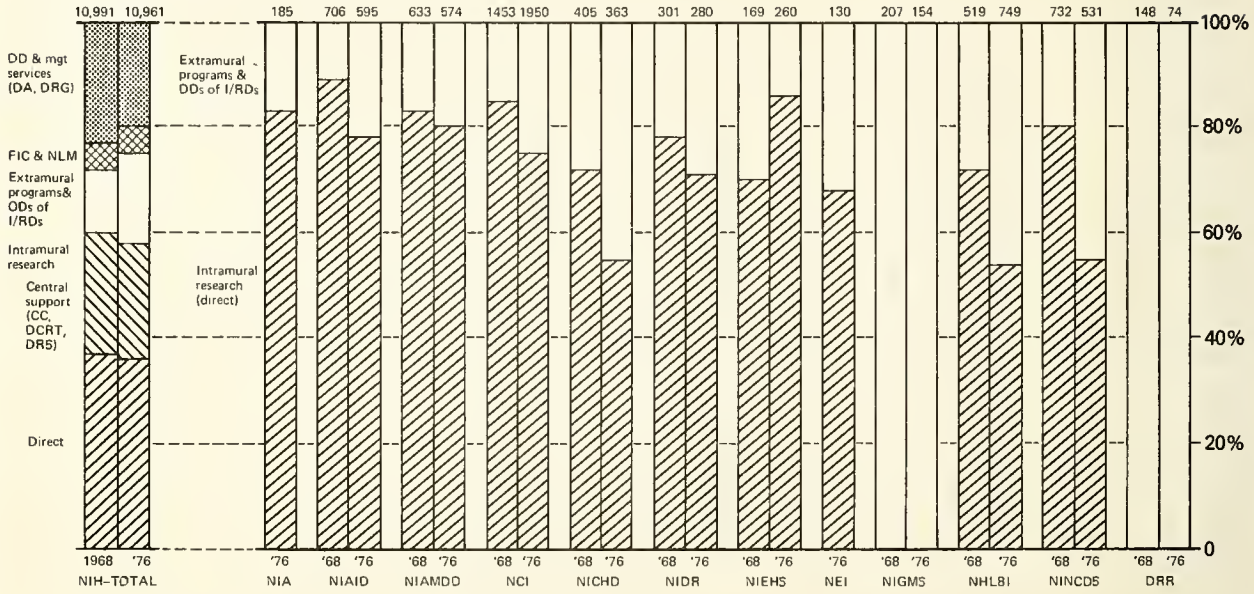
Table 32
NIH PERSONNEL BY TYPE OF OCCUPATION AND DEGREE HELD AND BY PAY SYSTEM, SEPTEMBER 30, 1976*

Type of occupation and degree held	Total		Permanent full-time								Other than permanent full-time	
			Total		Civil service		Commissioned officer corps		Staff fellows & visiting scientists			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	**11,903**	**100%**	**10,879**	**91.4%**	**9,376**	**78.8%**	**1,026**	**8.6%**	**477**	**4.0%**	**1,024**	**8.6%**
Doctorate	2,353	100	2,257	95.9	989	42.0	845	35.9	423	18.0	96	4.1
M.D.†	1,017	100	980	96.4	189	18.6	715	70.3	76	7.5	37	3.6
Ph.D.	1,197	100	1,141	95.3	749	62.6	53	4.4	339	28.3	56	4.7
Other	139	100	136	97.8	51	36.7	77	55.4	8	5.7	3	2.2
Other than doctorate	9,550	100	8,622	90.3	8,387	87.8	181	1.9	54	0.6	928	9.7
Professional & scientific	4,393	100	4,112	93.6	2,615	59.5	1,020	23.2	477	10.9	281	6.4
M.D.†	1,017	100	980	96.4	189	18.6	715	70.3	76	7.5	37	3.6
Ph.D.	1,184	100	1,128	95.3	737	62.3	52	4.4	339	28.6	56	4.7
Other doctorate	135	100	133	98.5	48	35.6	77	57.0	8	5.9	2	1.5
Other	2,057	100	1,871	91.0	1,641	79.8	176	8.6	54	2.6	186	9.0
Sub-professional & tech. support	1,739	100	1,599	91.9	1,599	91.9	–	–	–	–	140	8.1
M.D.†	–	–	–	–	–	–	–	–	–	–	–	–
Ph.D.	–	–	–	–	–	–	–	–	–	–	–	–
Other doctorate	2	100	1	50.0	1	50.0	–	–	–	–	1	50.0
Other	1,737	100	1,598	92.0	1,598	92.0	–	–	–	–	139	8.0
Admin., clerical & office services	4,477	100	3,960	88.5	3,954	88.3	6	0.1	–	–	517	11.5
M.D.†	–	–	–	–	–	–	–	–	–	–	–	–
Ph.D.	13	100	13	100.0	12	92.3	1	7.7	–	–	–	–
Other doctorate	2	100	2	100.0	2	100.0	–	–	–	–	–	–
Other	4,462	100	3,945	88.4	3,940	88.3	5	0.1	–	–	517	11.6
Plant operation & maintenance	1,294	100	1,208	93.4	1,208	93.4	–	–	–	–	86	6.6
Other	1,294	100	1,208	93.4	1,208	93.4	–	–	–	–	86	6.6

*Excludes consultants, council members, and personnel exempt from ceilings. †Includes M.D.s with other doctorate.

Figure 5

NIH PERMANENT FULL-TIME PERSONNEL BY NIH COMPONENT AND FUNCTION, JUNE 30, 1968 AND 1976*



*Excludes consultants, council members, personnel exempt from ceilings, and persons in non-pay status.

CHRONOLOGY OF IMPORTANT EVENTS IN THE DEVELOPMENT OF NIH PROGRAMS

1887 Research laboratory founded at Marine Hospital, Staten Island, N.Y., to meet new responsibilities of Marine Hospital Service.

1891 Hygienic Laboratory moves from Staten Island to Service headquarters, Washington, D.C.

1902 Advisory Board for the Hygienic Laboratory established; later to become National Advisory Health Council. Act of Congress makes Service responsible for biologics control.

1912 Name of Public Health & Marine Hospital Service changed to Public Health Service (PHS).

1930 Hygienic Laboratory becomes National Institute of Health (NIH) under the Ransdell Act, 5/26.

1937 Congress authorizes National Cancer Institute (NCI), 8/15. First research grants.

1938 National Institute of Health moves to land donated by Mr. and Mrs. Luke I. Wilson at Bethesda, Md. First research fellowships (NCI).

1944 Public Health Service Act, giving general research authority, 7/1.

1945 Research grants extended, with central NIH responsibility.

1946 Division of Research Grants (DRG) established to review and evaluate applications for NIH grants to non-Federal institutions and scientists.

1947 First training grants (NCI). DRG starts research fellowship program.

1948 National Heart Institute authorized; other laboratories regrouped to form National Microbiological Institute (NMI), Experimental Biology & Medicine Institute (EBMI), and National Institute of Dental Research (NIDR). NIH becomes National *Institutes* of Health (NIH), 6/16.

1949 Mental hygiene program of Public Health Service transferred to NIH and expanded to become National Institute of Mental Health (NIMH).

1950 "Omnibus Medical Research Act," 8/15. National Institute of Neurological Diseases & Blindness (NINDB) and National Institute of Arthritis & Metabolic Diseases (NIAMD) established, the latter absorbing EBMI.

1953 Public Health Service becomes a constituent of newly created Department of Health, Education, & Welfare (DHEW). Clinical Center opens.

1955 NMI becomes National Institute of Allergy & Infectious Diseases (NIAID). Division of Biologics Standards formed, assuming NMI's biologics control function. Division of Research Services (DRS) created.

1956 Health Research Facilities Act, authorizing program of matching grants for research construction in non-Federal institutions.

1958 Division of General Medical Sciences (DGMS) created.

1960 PHS Act amended to provide for general support of research and research training programs in nonprofit institutions. International Health Research Act extends NIH international programs.

1962 Division of Research Facilities & Resources (DRFR) formed. National Library of Medicine (NLM), constituent of PHS since 1956, moves to NIH reservation.

1963 Two Institutes (authorized in 1962) established — National Institute of General Medical Sciences (NIGMS), superseding DGMS, and National Institute of Child Health & Human Development (NICHD).

1964 Division of Computer Research and Technology (DCRT) established.

1965 Division of Regional Medical Programs (DRMP) created to administer the "Heart Disease, Cancer, and Stroke Amendments of 1965."

1966 Division of Environmental Health Sciences (DEHS) established.

1967 National Institute of Mental Health becomes separate bureau of PHS, 1/1.

1968 John E. Fogarty International Center for Advanced Study in the Health Sciences (FIC) established. National Eye Institute (NEI) created. NINDB becomes National Institute of Neurological Diseases & Stroke (NINDS).

PHS reorganized under Assistant Secretary for Health & Scientific Affairs, DHEW. Bureau of Health Manpower (BHM), formed in PHS the previous year, and NLM become constituents of NIH, 4/1. DRMP transferred to new Health Services & Mental Health Administration, PHS. Lister Hill National Center for Biomedical Communications established at NLM.

1969 DEHS becomes National Institute of Environmental Health Sciences (NIEHS). National Heart Institute renamed National Heart & Lung Institute (NHLI).

1970 Family Planning Services and Population Research Act.

1971 National Cancer Program established. Sickle Cell Disease Program initiated in NHLI.

1972 NIAMD becomes National Institute of Arthritis, Metabolism & Digestive Diseases (NIAMDD). National Heart, Blood Vessel, Lung, & Blood Disease Program established. Division of Biologics Standards transferred to Food & Drug Admininstration (FDA-PHS), where it becomes Bureau of Biologics, 7/1. NCI and NHLI gain bureau status within NIH. National Cooley's Anemia Control Act.

1973 PHS reorganization establishes new agencies: Health Resources Administration (HRA), Health Services Administration (HSA), Center for Disease Control (CDC), and Alcohol, Drug Abuse, & Mental Health Administration (ADAMHA). Bureau of Health Manpower Education (BHME, formerly BHM) transferred to HRA, 7/1. (See current organization chart, page i.)

1974 Sudden Infant Death Syndrome Act. National Institute on Aging (NIA) established, 5/31. National Research Act revises research training authority and establishes national commission for protection of human subjects. National Diabetes Mellitus Research & Education Act. President's Biomedical Research Panel established.

1975 National Arthritis Act. NINDS becomes National Institute of Neurological & Communicative Disorders & Stroke (NINCDS). National commissions established for epilepsy and Huntington's disease.

1976 NHLI becomes National Heart, Lung, & Blood Institute (NHLBI). Advisory boards created for diabetes and arthritis. National commission on digestive diseases established.

ABBREVIATIONS

AEC — Atomic Energy Commission
ADAMHA — Alcohol, Drug Abuse, & Mental Health Administration
A & S — arts & sciences
BHM — Bureau of Health Manpower
BHME — Bureau of Health Manpower Education
CC — Clinical Center
CDC — Center for Disease Control
DBS — Division of Biologics Standards
DCRT — Division of Computer Research & Technology
DEHS — Division of Environmental Health Sciences
DGMS — Division of General Medical Sciences
DHEW — Department of Health, Education, & Welfare
DLA — Division of Legislative Analysis
DoD — Department of Defense
DPA — Division of Program Analysis
DRFR — Division of Research Facilities & Resources
DRG — Division of Research Grants
DRMP — Division of Regional Medical Programs
DRR — Division of Research Resources
DRS — Division of Research Services
EBMI — Experimental Biology & Medicine Institute
ED — Engineering Division
ERDA — Energy Research & Development Administration
FDA — Food & Drug Administration
FFRDC — Federally funded research and development center
FIC — John E. Fogarty International Center for Advanced Study in the Health Sciences
FY — fiscal year (7/1 - 6/30 until FY 1977, which began 10/1/76)
GRS — General Research Support Programs (incl. Minority Biomedical Support Grants)
GR&S — General Research and Support appropriation
HRA — Health Resources Administration
HRF — Health Research Facilities construction program
HSA — Health Services Administration
HSMHA — Health Services & Mental Health Administration
I/RD — Institutes & Research Divisions
NA — not available
NASA — National Aeronautics & Space Administration
NBS — National Bureau of Standards
NCI — National Cancer Institute
NEI — National Eye Institute
NHI — National Heart Institute
NHLBI — National Heart, Lung, & Blood Institute
NHLI — National Heart & Lung Institute
NIA — National Institute on Aging

NIAID — National Institute of Allergy & Infectious Diseases
NIAMD — National Institute of Arthritis & Metabolic Diseases
NIAMDD — National Institute of Arthritis, Metabolism & Digestive Diseases
NICHD — National Institute of Child Health & Human Development
NIDR — National Institute of Dental Research
NIEHS — National Institute of Environmental Health Sciences
NIGMS — National Institute of General Medical Sciences
NIH — National Institute of Health or National *Institutes* of Health
NIMH — National Institute of Mental Health
NINCDS — National Institute of Neurological & Communicative Disorders & Stroke
NINDB — National Institute of Neurological Diseases & Blindness
NINDS — National Institute of Neurological Disease & Stroke
NLM — National Library of Medicine
NMI — National Microbiological Institute
NRSA — National Research Service Awards
NSF — National Science Foundation
OA — Office of Administration, NIH
OD — Office of the Director, NIH
OE — Operating Expenses, NIH appropriation
OIR — Office of International Research
OPPE — Office of Program Planning & Evaluation, NIH
PHS — Public Health Service
RCPAs — Research Career Program Awards
R&D — research & development
SRS — Social Rehabilitation Service
SSA — Social Security Administration
TQ — transition quarter between old FY ending 6/30/76 and new FY beginning 10/1/76

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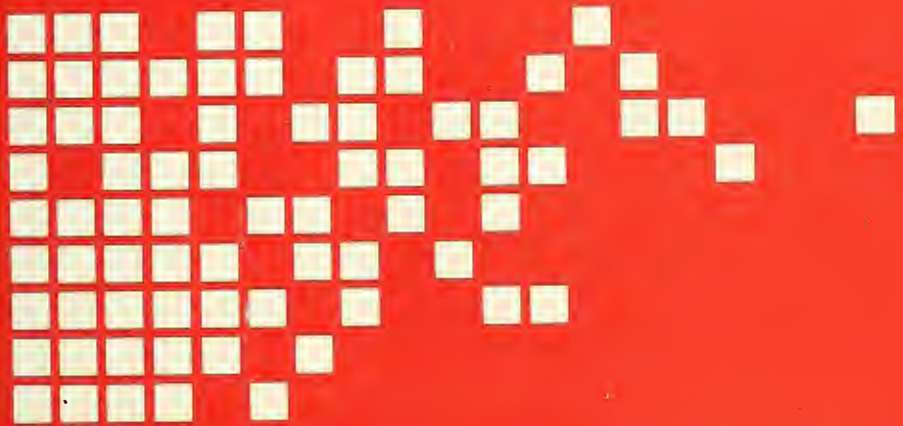

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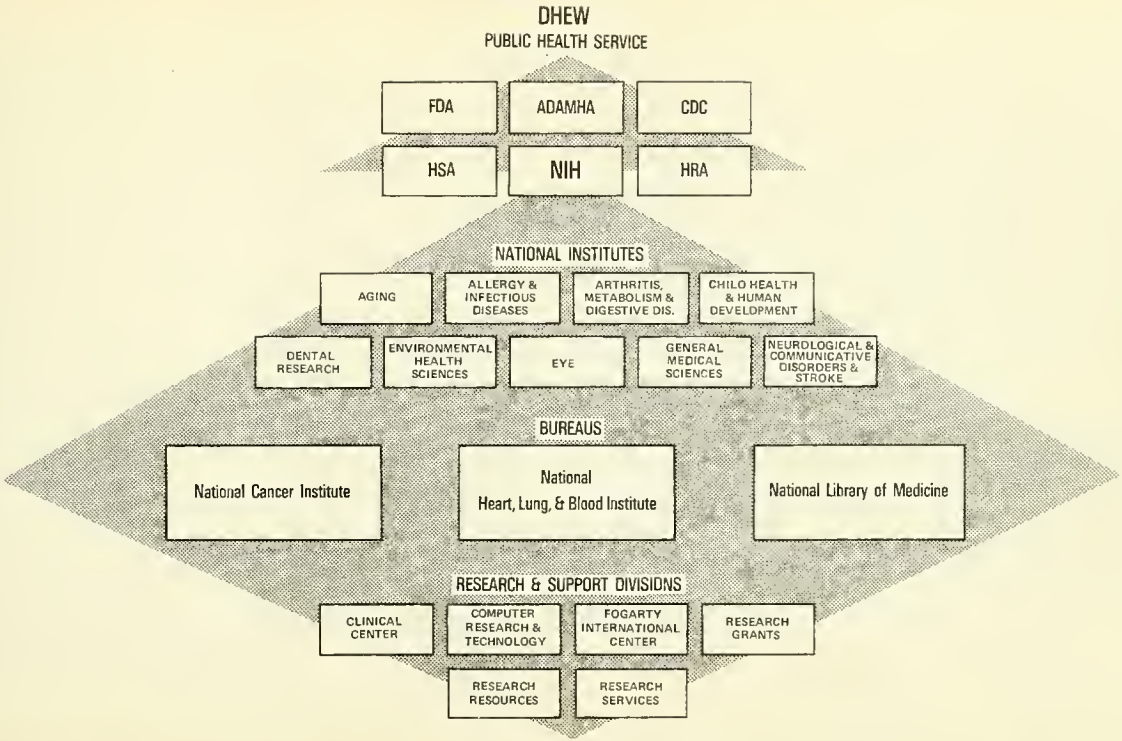
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Basic Data Relating to the National Institutes of Health has been published annually since 1961. Single copies of the current issue are available at NIH information offices.

The booklet is planned, edited, and published by the Special Projects Branch, DLA-OPPE. Data are derived from NIH records and studies unless otherwise noted. The Division of Resources Analysis, OPPE, develops the data on national support for health R&D from annual surveys and other sources. The Statistics and Analysis Branch, DRG, compiles the data on NIH awards. The Division of Financial Management, OA, is the source of information on NIH budget and staff. (See "Abbreviations," page 51.)

Programs that have been transferred out of NIH — NIMH, DRMP, DBS, and BHME — are excluded from all data except national and Federal time series. DRR, though located in BHME from 4/68 to 9/70, is always included with the Institutes and Research Divisions. The NIMH portion of GRS grants, which are administered by DRR, is included in all award data through 1974. See "Chronology," page 47, for major organizational changes.

"Health R&D" denotes medical and health-related projects, resources, and general support, but no training or construction. In Health R&D series, the NIH component (pages 1-7) contains certain items not classified as research in other tables on obligations, such as foreign currency programs and portions of cancer control, NLM, and direct operations.

Funds withheld in FY 1973 and later released for use are reflected in 1974 and 1975 obligation and award data. The transition quarter (TQ) is not included unless mentioned. All award data exclude scientific evaluation grants. Research career program awards are included under research project grants and total research grants unless shown separately or noted. Supplemental awards, unless noted, are combined with their parent awards or with other supplements when made from the same fiscal-year funds, and are always excluded from number of individual training awards.

Differences between "obligations" and "awards" are due to differences in treatment of certain items (cancer control, scientific evaluation grants, GRS programs, etc.) in the accounting methods used by the various data sources. The largest difference reflects the handling of cancer control, which is identified in obligation tables but integrated with R&D grants and contracts in award presentations. Details may not add exactly to totals because of rounding.

W.T. Carrigan and Ann B. Armstrong, editors
(301-496-4591)

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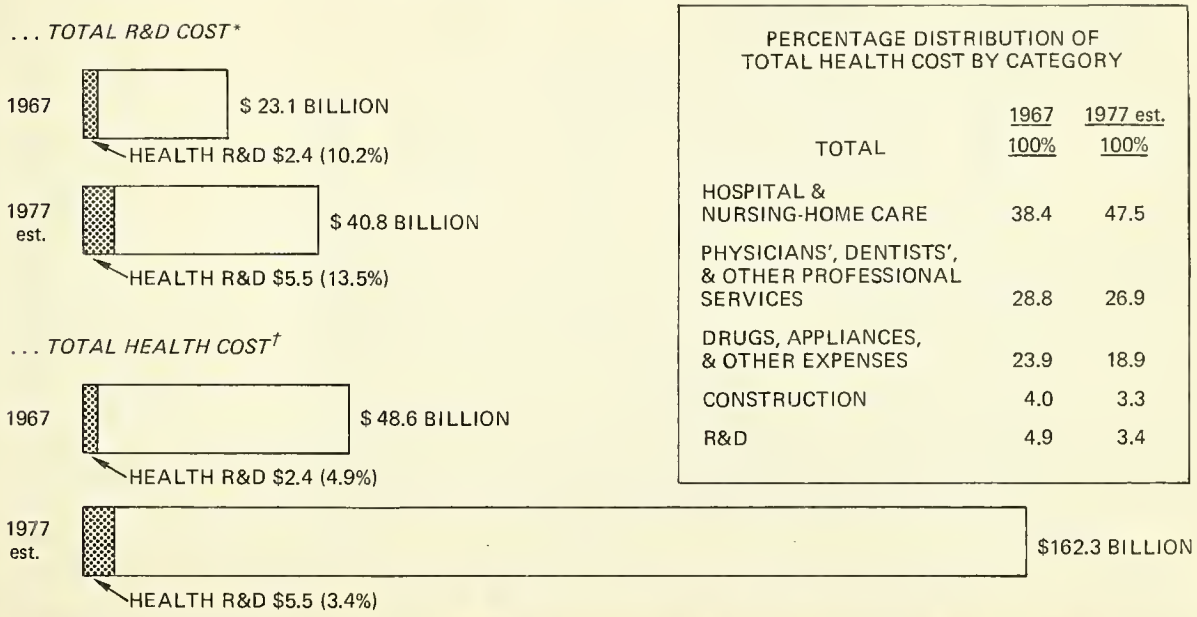
NATIONAL HEALTH R & D, 1967 AND 1977, AS A PROPORTION OF . . .



PERCENTAGE DISTRIBUTION OF TOTAL HEALTH COST BY CATEGORY

	1967	1977 est.
TOTAL	100%	100%
HOSPITAL & NURSING-HOME CARE	38.4	47.5
PHYSICIANS', DENTISTS', & OTHER PROFESSIONAL SERVICES	28.8	26.9
DRUGS, APPLIANCES, & OTHER EXPENSES	23.9	18.9
CONSTRUCTION	4.0	3.3
R&D	4.9	3.4

*Source: NSF and NIH. †Source: HCFA, with adjustments of R&D (and therefore of totals) to conform with NIH data

Table 1
NATIONAL SUPPORT FOR HEALTH R&D BY SOURCE OR PERFORMER, 1963-1977*
(In millions of dollars)

Sector	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976 est.	1977 est.
Total of *A* or *B*	$1,545	$1,710	$1,903	$2,124	$2,359	$2,576	$2,784	$2,827	$3,133	$3,478	$3,691	$4,415	$4,640	$4,988	$5,526
A. BY SOURCE OF FUNDS															
Government	1,008	1,140	1,277	1,428	1,581	1,707	1,817	1,817	2,040	2,326	2,426	2,976	3,038	3,274	3,612
Federal	919	1,049	1,174	1,316	1,459	1,582	1,674	1,667	1,877	2,147	2,225	2,754	2,799	3,023	3,351
NIH	(566)	(651)	(715)	(791)	(312)	(664)	(893)	(873)	(1,039)	(1,271)	(1,323)	(1,737)	(1,846)	(2,023)	(2,244)
State	89	91	103	112	122	125	143	150	163	179	201	222	239	251	261
Industry	375	400	450	510	580	661	754	795	860	925	1,033	1,187	1,322	1,438	1,625
Private nonprofit	162	170	176	186	198	208	213	215	233	227	232	252	280	276	289
Foundations	60	63	61	64	67	72	69	69	83	77	75	79	94	81	86
Voluntary health agencies	40	42	45	47	54	57	61	61	63	63	70	84	93	98	103
Other	62	65	70	75	77	79	83	85	87	87	87	89	93	97	100
B. BY PERFORMER															
Government	280	308	346	398	426	484	541	577	663	718	761	817	828	895	994
Federal	250	272	305	345	369	403	458	489	568	609	629	668	717	779	863
State & local	30	36	41	53	57	81	83	88	95	109	132	149	111	116	131
Industry	397	438	483	560	653	722	811	826	888	964	1,043	1,232	1,361	1,478	1,590
Private nonprofit	820	914	1,017	1,105	1,211	1,290	1,344	1,343	1,478	1,687	1,739	2,182	2,254	2,386	2,676
Higher education	620	689	764	838	934	1,001	1,052	1,041	1,148	1,325	1,360	1,699	1,763	1,877	2,103
Other	200	225	253	267	277	289	292	302	330	362	379	483	491	509	573
Foreign	48	50	57	61	69	80	88	81	104	109	148	184	197	229	266

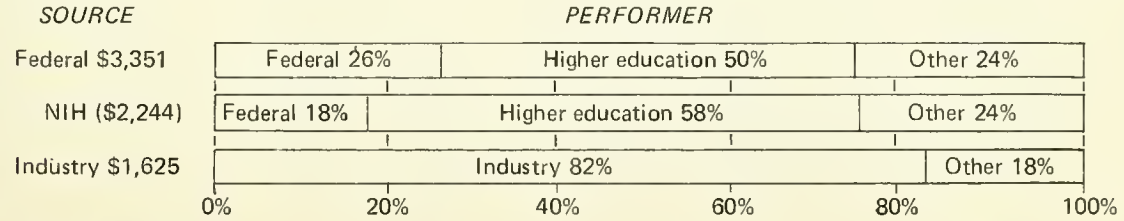
*Reflects 1977 revisions in the Foundations series, 1963-1976, and in the Industry performance distribution, 1968-1976. Final 1977 and estimated 1978 data for Tables 1-4 will be available in May 1978 from Division of Resources Analysis, OPPE/NIH, (301) 496-9291.

Table 2

NATIONAL SUPPORT FOR HEALTH R&D BY SOURCE AND PERFORMER, 1977 EST.

(In millions of dollars)

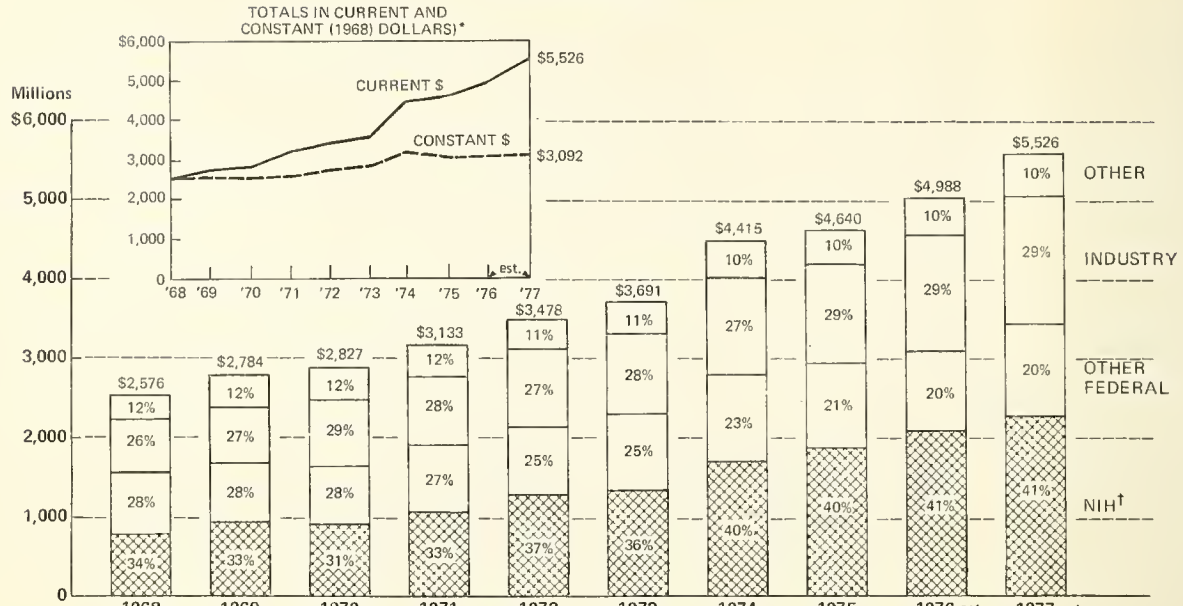
Source of support	Total	Performer					
		Federal	State and local	Industry*	Higher education*	Other nonprofit*	Foreign
Total	**$5,526**	**$863**	**$131**	**$1,590**	**$2,103**	**$573**	**$266**
Federal	3,351	862	63	258	1,680	443	45
NIH	**(2,244)**	**(415)**	**(35)**	**(126)**	**(1,300)**	**(343)**	**(25)**
State	261	—	64	—	193	4	—
Industry	1,625	—	4	1,332	52	25	212
Private nonprofit	289	1	—	—	178	101	9



*Contains FFRDCs.

Figure 2

NATIONAL SUPPORT FOR HEALTH R&D BY SOURCE, 1968-1977
(Dollars in millions)



*Constant dollars based on revised biomedical R&D deflator. †$2,244 million in 1977, including $1,436 grants, $394 contracts, $248 intramural research, etc.

Table 3
FEDERAL OBLIGATIONS FOR HEALTH R&D BY SOURCE OR PERFORMER, FISCAL YEARS 1968-1977*
(In millions of dollars)

	1968	1969	1970	1971	1972	1973	1974	1975	1976 est.	1977 est.
Total of *A* or *B*	$1,581.9	$1,674.1	$1,666.6	$1,876.6	$2,147.3	$2,225.3	$2,753.6	$2,798.9	$3,023.5	$3,351.4
A. BY SOURCE OF FUNDS										
DHEW	1,139.0	1,191.4	1,177.0	1,316.0	1,584.3	1,609.9	2,092.2	2,162.5	2,345.1	2,612.5
NIH	**864.0**	**892.9**	**873.3**	**1,038.9**	**1,271.3**	**1,323.2**	**1,736.8**	**1,845.5**	**2,022.6**	**2,244.2**
Other PHS	229.1	249.9	270.0	247.6	275.9	255.4	315.2	278.5	287.7	305.1
Other DHEW	45.8	48.7	33.8	29.4	37.0	31.3	40.2	38.2	34.8	63.2
Other agencies	443.0	482.6	489.5	560.6	563.1	615.4	661.4	636.7	678.4	738.9
Agriculture	45.8	48.8	50.1	60.3	67.3	61.1	59.7	61.4	†	84.8
Defense	114.0	117.5	124.9	124.2	126.0	126.6	119.0	115.9	†	150.5
Energy (ERDA, AEC)	95.0	97.9	104.2	104.9	102.7	110.6	121.4	163.9	†	181.2
State	2.7	8.7	10.8	15.2	15.1	16.3	10.3	6.4	†	23.7
Transportation	4.5	7.3	9.7	41.9	39.0	65.0	64.8	11.9	†	6.7
EPA	—	—	—	13.1	14.5	20.3	18.8	36.1	†	56.2
NASA	108.6	116.8	85.9	74.9	50.3	42.3	80.1	74.9	†	47.8
NSF	21.2	25.6	28.0	34.3	37.2	45.5	47.0	44.7	†	55.4‡
VA	45.6	50.3	58.7	62.7	68.9	74.2	84.0	94.8	94.3	104.5
Other	5.6	9.7	17.3	29.1	42.0	53.6	56.5	24.8	†	28.1
B. BY PERFORMER										
Intramural (Federal)	402.2	456.5	488.3	566.5	608.2	627.3	667.9	715.7	778.6	862.5
Extramural (non-Federal)	1,179.8	1,217.6	1,178.3	1,310.1	1,539.1	1,598.0	2,085.8	2,083.1	2,244.9	2,488.7
State & local	50.6	47.7	49.0	51.5	60.2	79.3	91.6	54.0	51.0	62.7
Industry §	138.3	137.4	121.7	128.6	158.8	176.3	248.4	256.3	283.8	258.4
Private nonprofit §	960.4	996.0	986.2	1,089.1	1,289.3	1,318.3	1,716.8	1,742.8	1,869.1	2,122.7
Higher education	757.7	792.1	775.1	859.4	1,025.4	1,039.5	1,347.0	1,374.8	1,480.8	1,679.8
Medical schools ‖	379.6	408.3	394.1	436.0	507.8	618.3	809.7	837.5	870.6	990.1
Other	202.6	203.9	211.1	229.7	264.0	278.8	369.7	368.1	388.4	442.9
Foreign	30.5	36.4	21.4	40.9	30.8	24.1	29.1	30.0	40.9	44.7

*As organized in year specified. † Since 1975, nonhealth agencies have only been surveyed biennially. ‡ Estimated by NIH. § Contains FFRDCs. ‖ Excludes NIH medical school contracts for 1968-1972. Such contracts are contained in Higher Education for all years.

Table 4

FEDERAL OBLIGATIONS FOR HEALTH R&D BY SOURCE AND PERFORMER, FISCAL YEAR 1977 EST.*

(In millions of dollars)

Source of support	Total	Performer							
		Intra-mural (Federal)	Extramural (non-Federal)						
			Total	State and local	Industry†	Higher education		Other private nonprofit‡	Foreign
						Total‡	Medical schools		
Total	**$3,351**	**$862**	**$2,489**	**$63**	**$258**	**$1,680**	**$990**	**$443**	**$45**
Dept. of Health, Education, and Welfare	2,613	531	2,081	59	156	1,445	955	390	31
National Institutes of Health	2,244	415	1,829	35	126	1,300	892	343	25
Other Public Health Service	305	106	199	15	18	123	57	37	6
ADAMHA†	153	27	126	12	8	88	43	17	1
CDC	55	39	15	§	4	5	1	5	2
FDA	43	25	18	1	5	8	1	2	1
HRA	37	9	28	1	§	16	7	10	1
HSA†	17	6	12	1	—	5	4	4	1
Other DHEW	63	10	53	9	12	22	6	10	1
Health Care Financing Admin.	30	8	22	7	12	2	1	2	—
Off. Asst. Secy., Planning & Eval.	5	1	4	—	—	§	—	4	—
Office of Human Development	28	1	27	2	—	20	5	5	1
Other agencies	739	331	408	4	102	235	35	53	13
Department of Agriculture	85	60	25	§	3	20	§	§	1
Department of Defense	151	107	44	2	10	22	3	7	3
Department of Energy (ERDA)	181	10	171	§	32	107	11	32	§
Department of State (AID)	24	1	23	—	—	11	7	3	9
Environmental Protection Agency	56	24	32	1	13	16	1	3	§
National Aeronautics & Space Admin.	48	9	39	—	33	6	3	§	—
National Science Foundation	55	2	53	—	—	49	11	4	§
Veterans Administration	105	102	3	§	1	1	§	1	—
Other†	35	17	18	1	12	3	—	3	—

*All figures are preliminary. Final 1977 and estimated 1978 data will be available in May 1978 from Divisionof Resources Analysis, OPPE/NIH (301) 496-9291. †Distribution estimated by NIH from prior-year data. ‡ Contains FFRDCs. §Less than $0.5 million.

Table 5

DHEW OUTLAYS FOR HEALTH BY AGENCY AND ACTIVITY, FISCAL YEARS 1967, 1971, 1974, AND 1977*

(In millions of dollars)

Agency	Total	Health R&D		Hospital & medical services		Other†		Total	Health R&D		Hospital & medical services		Other†	
		Amount	Percent of total	Amount	Percent of total	Amount	Percent of total		Amount	Percent of total	Amount	Percent of total	Amount	Percent of total
	1967							1971						
Total	$6,883	$996	14.5%	$4,899	71.2%	$987	14.3%	$14,490	$1,116	7.7%	$11,748	81.1%	$1,627	11.2%
NIH	942	773	82.1	—	—	169	17.9	1,513	942	62.3	—	—	571	37.7
FDA	58	10	17.2	—	—	48	82.8	86	22	25.6	—	—	64	74.4
Other PHS	1,032	186	18.0	134	13.0	712	69.0	1,634	152	9.3	500	30.6	982	60.1
SRS†	1,424	27	1.9	1,371	96.3	26	1.8	3,364	—	—	3,362	99.9	2	0.1
SSA§	3,396	—	—	3,396	100.0	—	—	7,875	—	—	7,875	100.0	—	—
Other DHEW	32	—	—	—	—	32	100.0	19	—	—	11	57.9	8	42.1
	1974							1977						
Total	$21,384	$1,583	7.4%	$17,959	84.0%	$1,842	8.6%	$37,939	$2,374	6.3%	$33,517	88.3%	$2,048	5.4%
NIH	1,584	1,386	87.5	—	—	199	12.6	2,253	2,062	91.5	—	—	191	8.5
FDA	165	20	12.1	—	—	144	87.3	246	24	9.8	—	—	221	89.8
Other PHS	2,634	175	6.6	1,010	38.3	1,451	55.1	3,825	265	6.9	2,010	52.5	1,549	40.5
SRS† } HCFA	5,591	3	0.1	5,586	99.9	2	—	31,262	9	—	31,253	100.0	—	—
SSA§ } in 1977	11,348	—	—	11,348	100.0	—	—							
Other DHEW	62	1	1.6	15	24.2	46	74.2	353	14	4.0	253	71.7	87	24.6

*As organized in budget year of *Special Analyses*. Outlays = payments of obligations during the current year regardless of the year incurred. †Includes training, education, construction, planning, prevention, control. ‡ Contains Medicaid. §Contains Medicare.

Source: *Special Analyses, Budget of the United States Government, Fiscal Years 1969, 1973, 1976, and 1979.*

Table 6
SCIENCE DOCTORATE RECIPIENTS FROM U.S. UNIVERSITIES
BY FIELD OF DEGREE AND SEX, FISCAL YEARS 1972 AND 1976

Field of degree	Total		Men		Women				Percentage change 1972-1976		
	1972	1976	1972	1976	1972		1976				
	Number	Number	Number	Number	Number	Percent of total	Number	Percent of total	Total	Men	Women
Total	**19,556**	**18,790**	**17,390**	**15,628**	**2,166**	**11.1%**	**3,162**	**16.8%**	**-3.9%**	**-10.1%**	**+46.0%**
Agricultural sciences	1,016	951	983	897	33	3.2	54	5.7	-6.4	-8.7	+63.6
Biomedical sciences	3,898	3,890	3,207	2,995	691	17.7	895	23.0	-0.2	-6.6	+29.5
Anatomy	159	133	116	98	43	27.0	35	26.3	-16.4	-15.5	-18.6
Biochemistry	580	616	475	475	105	18.1	141	22.9	+6.2	0.0	+34.3
Biophysics	114	123	98	103	16	14.0	20	16.3	+7.9	+5.1	+25.0
Genetics	159	143	120	99	39	24.5	44	30.8	-10.1	-17.5	+12.8
Microbiology	395	359	305	266	90	22.8	93	25.9	-9.1	-12.8	+3.3
Pathology	87	93	77	70	10	11.5	23	24.7	+6.9	-9.1	+130.0
Pharmacology	187	205	164	180	23	12.3	25	12.2	+9.6	+9.8	+8.7
Physiology	340	285	288	232	52	15.3	53	18.6	-16.2	-19.4	+1.9
Other	1,877	1,933	1,564	1,472	313	16.7	461	23.8	+3.0	-5.9	+47.3
Engineering	3,475	2,791	3,454	2,738	21	0.6	53	1.9	-19.7	-20.7	+152.4
Environmental sciences	70	130	63	112	7	10.0	18	13.8	+85.7	+77.8	+157.1
Physical sciences	5,507	4,445	5,142	4,036	365	6.6	409	9.2	-19.3	-21.5	+12.1
Psychology	2,262	2,878	1,657	1,932	605	26.7	946	32.9	+27.2	+16.6	+56.4
Social sciences	3,328	3,705	2,884	2,918	444	13.3	787	21.2	+11.3	+1.2	+77.3

Source: National Academy of Sciences, Earned Doctorate Survey.

Table 7
MORTALITY FROM SELECTED CAUSES: UNITED STATES, 1968 AND 1975

Cause of death	ICDA code*	1968				1975			
		Rank	Number	Rate per 100,000 pop.	Percent of all deaths	Rank	Number	Rate per 100,000 pop.	Percent of all deaths
Total			**1,930,082**	**965.7**	**100.0%**		**1,892,879**	**888.5**	**100.0%**
Diseases of the circulatory system	390-458	1	1,040,292	520.5	53.9	1	988,073	463.8	52.2
Diseases of the heart	390-398,402,404,410-429		744,658	372.6	38.6		716,215	336.2	37.8
Hypertension	400,401,403		9,063	4.5	0.5		6,300	3.0	0.3
Cerebrovascular diseases	430-438		211,390	105.8	11.0		194,038	91.1	10.3
Arteriosclerosis	440		33,568	16.8	1.7		28,887	13.6	1.5
Neoplasms	140-239	2	323,495	161.9	16.8	2	370,640	174.0	19.6
Malignant	140-209		318,547	159.4	16.5		365,693	171.7	19.3
Digestive organs & peritoneum	150-159		93,563	46.8	4.8		99,629	46.8	5.3
Respiratory system	160-163		63,485	31.8	3.3		86,675	40.7	4.6
Breast	174		29,081	14.6	1.5		32,435	15.2	1.7
Genital organs	180-187		40,936	20.5	2.1		42,994	20.2	2.3
Diseases of the respiratory system	460-519	3	123,440	61.8	6.4	3	111,982	52.6	5.9
Influenza & pneumonia	470-474,480-486		73,492	36.8	3.8		55,664	26.1	2.9
Bronchitis, emphysema, & asthma	490-493		33,078	16.6	1.7		25,468	12.0	1.3
Diseases of the digestive system	520-577	4	73,718	36.9	3.8	4	70,382	33.0	3.7
Cirrhosis of liver	571		29,183	14.6	1.5		31,623	14.8	1.7
Endocrine, nutritional, & metabolic diseases	240-279	5	46,354	23.2	2.4	5	43,465	20.4	2.3
Diabetes mellitus	250		38,352	19.2	2.0		35,230	16.5	1.9
Certain causes of mortality in early infancy	760-769.2,769.4-772,774-778	6	43,840	21.9	2.3	6	26,616	12.5	1.4
Diseases of the genitourinary system	580-629	7	29,787	14.9	1.5	7	25,322	11.9	1.3
Diseases of the nervous system & sense organs	320-389	10	16,439	8.2	0.9	8	16,729	7.9	0.9
Infective & parastic diseases	000-136	8	17,776	8.9	0.9	9	15,930	7.5	0.8
Congenital anomalies	740-759	9	16,793	8.4	0.9	10	13,245	6.2	0.7
All other diseases	Residual		42,911	21.5	2.2		54,232	25.5	2.9
Accidents, poisonings, & violence	E800-E999		155,237	77.7	8.0		156,263	73.4	8.3

*Based on *Eighth Revision International Classification of Diseases, Adapted for Use in the United States.*

Source: National Center for Health Statistics, DHEW.

Table 8
MORBIDITY FROM SELECTED CHRONIC CONDITIONS: UNITED STATES, 1976*

Chronic condition and codes, ICDA and X†		Days of bed disability (in thousands)		Persons chronically limited‡ (in thousands)	
		Rank	Number	Rank	Number
Heart disease	390-398,402,404,410-429,782.1-782.2,782.4	1	115,690	2	4,735
Arthritis	710-715	2	103,348	1	4,978
Malignant neoplasms	140-209	3	49,389	13	648
Mental disorders§	290-309,319,X14-X19,780.6,781.5,785.6,786.2,790.0,790.2	4	48,073	4	2,134
Impairment of back & spine	X70-X72,X80-X81	5	40,447	3	2,275
Cerebrovascular disease	430-438	6	38,836	11	816
Paralysis	X40-X69	7	38,579	9	915
Hypertension without heart involvement	400,401,403	8	36,485	5	2,088
Impairment of lower extremities	X75-X77,X82-X85	9	35,226	6	1,836
Diabetes	250	10	33,517	7	1,525
Asthma	493	11	31,654	8	1,460
Emphysema	492	12	25,648	10	823
Ulcer	531-534	13	21,177	14	501
Gallbladder§	574-576.2,576.9	14	16,427	15	136
Hernia	550-553	15	11,899	12	667

*National estimate based on continuing survey of a probability sample of some 40,000 households in the civilian noninstitutionalized population. † ICDA code from *Eighth Revision International Classification of Diseases, Adapted for Use in the United States;* X code from *Vital and Health Statistics,* Publication Series 10, Number 99 (pp. 51-56). ‡ Persons with limitations of activity are those chronically unable to fully perform their usual activities because of the condition specified. § Includes some acute conditions.

Source: National Center for Health Statistics, DHEW.

Table 9
MORBIDITY FROM SELECTED ACUTE CONDITIONS: UNITED STATES, 1976*
(In thousands)

Acute condition and ICDA code†		Incidence of acute conditions	Restricted-activity days	Bed-disability days	Work-loss days	School-loss days
Total		**461,377**	**2,014,813**	**932,493**	**326,113**	**208,719**
Respiratory conditions	460-486,501,508-516,519,783	250,704	944,555	489,718	143,993	120,967
Upper respiratory	460-465,501,508	127,656	368,832	151,664	40,622	52,058
Influenza	470-474	110,391	468,295	278,581	90,199	60,514
Pneumonia	480-486	3,190	49,590	31,509	5,820	3,561
Bronchitis	466	5,087	34,683	15,679	‡	‡
Other	510-516,519,783	4,381	23,154	12,286	4,349	‡
Infective & parasitic diseases	000-136	52,603	205,800	114,553	26,847	39,008
Digestive system conditions	520.6-521.5,521.7-523.9,525-530, 535-543,560,561,564-577,784,785	21,997	89,234	44,755	16,001	10,178
Diseases of the ear	380-387,745.0-745.3,781.3	14,789	48,798	22,178	§	§
Genitourinary disorders	580-629,786,789	11,328	57,483	31,608	12,154	§
Diseases of the musculoskeletal system	717-733,787	7,721	49,616	18,452	7,980	§
Headaches	791	4,849	10,362	§	§	§
Deliveries & disorders of pregnancy & the puerperium	630-678	3,961	50,754	23,243	4,869	§
Diseases of the skin	680-709	4,625	16,923	5,907	§	§
Injuries	N(800-870,872-884,890-894,900-994,996-999)	67,714	425,080	124,130	86,303	16,999
All other acute conditions	Other acute code numbers	21,086	116,210	57,949	27,966	21,566

*National estimate based on continuing survey of a probability sample of some 40,000 households in the civilian noninstitutionalized population. †*Eighth Revision International Classification of Diseases, Adapted for Use in the United States.* ‡ Figure does not meet standards of reliability or precision. § Not available. Included in "All other acute conditions."

Source: National Center for Health Statistics, DHEW.

Table 10

PATIENTS DISCHARGED FROM SHORT-STAY HOSPITALS BY SELECTED CONDITIONS: UNITED STATES, 1970 AND 1975*

Category of first-listed diagnosis	ICDA code†	1970					1975				
		Hospital discharges			Average length of stay		Hospital discharges			Average length of stay	
		Rank	Number (in thousands)	Rate per 10,000 pop.	Rank	Days	Rank	Number (in thousands)	Rate per 10,000 pop.	Rank	Days
Total			**29,127**	**1,459**		**7.8**		**34,043**	**1,628**		**7.7**
Diseases of the circulatory system	390-458	4	3,340	167	1	12.0	1	4,418	211	2	10.9
Ischemic heart disease	410-414		1,376	69		12.8		1,832	88		11.0
Cerebrovascular disease	430-438		519	26		14.2		608	29		13.2
Diseases of the digestive system	520-577	2	3,684	185	6	8.1	2	4,260	204	6	7.8
Stomach, duodenum, gastrojejunal ulcer	531-534		438	22		9.8		412	20		9.4
Inguinal hernia	550,552		475	24		6.4		513	25		5.6
Cholelithiasis, cholecystitis, cholangitis	574-575		527	26		10.8		605	29		10.1
Complications of pregnancy, childbirth, & the puerperium	630-678	1	4,390	220	12	3.9	3	4,031	193	12	3.7
Diseases of the genitourinary system	580-629	5	2,858	143	9	6.6	4	3,480	166	11	6.0
Diseases of the respiratory system	460-519	3	3,361	168	11	6.0	5	3,393	162	8	6.5
Influenza & pneumonia	470-486		850	43		8.8		869	42		8.9
Neoplasms	140-239	6	1,840	92	3	11.0	6	2,353	113	3	10.8
Malignant	140-209		1,142	57		13.9		1,556	74		13.2
Diseases of the musculoskeletal system	710-738	7	1,251	63	5	9.6	7	1,704	82	4	9.5
Mental disorders	290-315	9	986	49	2	11.1	8	1,494	71	1	11.0
Diseases of the nervous system & sense organs	320-389	8	1,066	53	8	7.1	9	1,438	69	9	6.4
Endocrine, nutritional, & metabolic diseases	240-279	11	719	36	4	10.7	10	887	42	5	9.5
Diabetes mellitus	250		436	22		12.2		533	25		10.2
Infective & parasitic diseases	000-136	10	723	36	10	6.3	11	829	40	10	6.1
Diseases of the skin & subcutaneous tissue	680-709	12	485	24	7	7.2	12	549	26	7	7.7
All other diseases	Residual		1,362	68		6.1		1,647	79		4.7
Accidents, poisonings, & violence	800-999		3,062	153		8.4		3,562	170		8.1

*National estimate based on samples of medical records from non-Federal short-stay hospitals. Includes deaths, excludes newborn infants. †*Eighth Revision International Classification of Diseases, Adapted for Use in the United States.*

Source: National Center for Health Statistics, DHEW.

Table 11
NIH APPROPRIATIONS BY NIH COMPONENT, FISCAL YEARS 1968-1978*
(In thousands of dollars)

NIH component	1968	1969	1970†	1971	1972	1973	1974	1975	1976	TQ	1977‡	1978§	Percent change 1968-78		Percent change 1977-78	
													Current $	Constant $‖	Current $	Constant $‖
Total	$1,111,461	$1,118,153	$1,061,007	$1,212,847	$1,506,156	$1,762,565	$1,790,425	$2,092,897	$2,302,126	$439,107	$2,544,078	$2,825,102	+154.2%	+33.6%	+11.0%	+4.3%
I/RD	1,111,461	1,099,993	1,032,600	1,182,504	1,466,752	1,713,455	1,744,554	2,043,721	2,200,691	427,143	2,424,510	2,704,835	+143.4	+27.9	+11.6	+4.7
NIAID	89,081	91,551	91,846	97,324	103,968	107,719	111,089	119,452	126,852	27,638	141,000	161,042	+80.8	-5.0	+14.2	+7.3
NIAMDD	134,083	134,479	122,909	129,863	145,036	159,132	153,561	173,514	179,516	43,719	219,600	258,461	+92.8	+1.3	+17.7	+10.5
NCI	176,225	178,312	175,024	227,259	372,742	485,505	527,486	691,666	761,727	152,901	815,000	867,136	+392.1	+158.6	+6.4	-0.1
NICHD	64,213	69,044	71,836	90,851	112,447	126,027	125,455	142,435	136,404	24,201	145,543	165,261	+157.4	+35.2	+13.5	+6.6
NIA	–	–	–	–	–	–	–	–	19,288	4,038	30,000	37,000	–	–	+23.3	+15.8
(NICHD & NIA)	(64,213)	(69,044)	(71,836)	(90,851)	(112,447)	(126,027)	(125,455)	(142,435)	(155,692)	(28,238)	(175,543)	(202,261)	(+215.0)	(+65.5)	(+15.2)	(+8.2)
NIDR	29,009	28,789	27,635	34,412	42,348	45,840	43,959	50,033	51,291	7,854	55,573	60,981	+110.2	+10.5	+9.7	+3.0
NIEHS	16,724	17,269	16,895	19,666	25,945	30,412	28,397	35,171	37,660	8,743	51,141	63,600	+280.3	+99.8	+24.4	+16.8
NIGMS	152,027	155,387	140,691	153,216	166,348	175,289	168,329	187,400	187,312	34,078	205,000	230,396	+51.5	-20.4	+12.4	+5.5
NHLBI	157,917	157,503	151,778	186,798	224,302	290,784	289,550	324,630	370,013	58,763	396,661	445,642	+182.4	+48.4	+12.3	+5.5
NINCDS	120,269	121,505	91,838	98,475	111,595	124,526	121,358	142,498	144,446	34,272	155,500	177,000	+47.2	-22.7	+13.8	+6.9
NEI	–	–	21,138	28,481	35,548	36,809	41,177	44,133	50,212	9,519	64,000	85,000	–	–	+32.8	+24.7
(NINCDS & NEI)	(120,269)	(121,505)	(112,976)	(126,956)	(147,143)	(161,335)	(162,535)	(186,631)	(194,658)	(43,791)	(219,500)	(262,000)	(+117.8)	(+14.5)	(+19.4)	(+12.1)
FIC	13,944◇	13,143◇	2,775	3,666	4,307	4,666	4,767	5,589	5,705	1,135	7,992	8,369	-40.0	-68.5	+4.7	-1.7
ORR	62,014	65,810	63,565	66,320	74,981	75,073	76,273	76,979	79,714	19,044	86,812	93,302	+50.5	-20.9	+7.5	+0.9
GRS**	56,033	52,945	50,310	46,173	47,185	52,673	53,153	50,221	50,551	1,238	50,688	51,645	-7.8	-51.6	+1.9	-4.3
DCRT/EO	5,022	5,856	4,360	–	–	–	–	–	–	–	–	–	–	–	–	–
HRF	35,000	8,400	–	–	–	–	–	–	–	–	–	–	–	–	–	–
NLM	–	18,160	19,251	21,440	24,127	28,568	25,871	28,850	29,065	6,572	35,234	36,746	–	–	+4.3	-2.1
OD	–	–	7,541	8,903	11,712	12,042	12,000	17,326	18,370	4,642	16,934	17,871	–	–	+5.5	-0.9
Bldgs. & Fac.	–	–	1,615	–	3,565	8,500	8,000	3,000	54,000	750	67,400	65,650	–	–	-2.6	-8.5

*Excludes programs that have been transferred out of NIH. Excludes Foreign Currency Programs. GRS is represented as a line item, though it was actually appropriated to the I/RDs through FY 1973 and to ORR in subsequent years. † Excludes $65,454 thousand plus $16,924 thousand to reflect cutbacks (P.L. 91-204 and P.L. 91-305). ‡ Includes supplemental appropriation. § Continuing resolution at level agreed to by the conferees. ‖ Based on revised NIH biomedical R&D deflator (1968 = 100, 1978 = 190.3). See Table 12. ◇ OIR programs. ** Contains Minority Biomedical Support grants.

Table 12
NIH OBLIGATIONS BY INSTITUTE AND RESEARCH DIVISION, FISCAL YEARS 1968-1977*
IN CURRENT AND CONSTANT DOLLARS (In millions) Excluding Programs That Have Been Transferred Out

Fiscal year	All I/RDs†	NIA	NIAID	NIAMDD	NCI	NICHD	NIDR	NIEHS	NEI	NIGMS	NHLBI	NINCDS	DRR‡	FIC	
							CURRENT DOLLARS								
1968	$1,075.2	$ —	$90.4	$139.3	$177.3	$ 66.8	$29.3	$16.7	$ —	$156.1	$162.1	$122.0	$ 99.5	$11.0	
1969	1,066.0	—	92.6	140.3	182.4	71.2	29.6	17.9	21.5	160.1	161.9	104.6	65.3	13.1	
1970	1,029.8	—	97.1	131.5	181.3	76.0	28.7	17.3	22.8	148.1	160.3	97.2	62.6	2.7	
1971	1,180.6	—	102.1	137.9	232.9	94.7	35.2	20.1	30.0	159.8	194.8	103.4	66.2	3.4	
1972	1,465.6	—	109.0	153.3	378.6	116.5	43.3	26.4	36.9	173.3	232.6	116.4	75.0	4.2	
1973	1,483.5	—	103.0	142.8	431.2	111.2	40.9	26.1	34.4	154.0	255.7	107.4	72.8	3.9	
1974	1,945.2	—	120.8	177.4	581.0	144.1	50.0	32.1	45.2	188.6	327.3	143.5	130.1	5.0	
1975	2,056.9	—	119.4	173.6	699.3	142.4	50.0	35.9	43.7	189.5	327.8	142.4	127.1	5.7	
1976	2,185.5	19.2	125.6	174.9	760.5	135.9	50.7	36.8	50.1	186.9	368.6	140.4	130.3	5.7	
TQ	439.6	4.0	28.9	48.2	153.9	24.4	8.3	9.5	9.2	33.7	59.8	38.3	20.3	1.1	
1977	2,420.7	29.9	140.4	219.4	814.9	145.1	55.4	50.9	63.7	204.8	396.5	154.6	137.4	7.7	
							CONSTANT DOLLARS								Biomedical R&D deflator
1968	1,075.2	—	90.4	139.3	177.3	66.8	29.3	16.7	—	156.1	162.1	122.0	99.5	11.0	100.0
1969	1,011.9	—	88.0	133.2	173.1	67.6	28.1	17.0	20.4	152.0	153.7	99.3	62.0	12.4	105.4
1970	919.8	—	86.7	117.5	161.9	67.9	25.6	15.5	20.4	132.3	143.2	86.8	55.9	2.4	112.0
1971	996.5	—	86.2	116.4	196.6	79.9	29.7	17.0	25.3	134.9	164.4	87.3	55.9	2.9	118.5
1972	1,178.5	—	87.6	123.3	304.4	93.7	34.8	21.2	29.7	139.4	187.0	93.6	60.3	3.4	124.4
1973	1,138.5	—	79.0	109.6	330.9	85.3	31.4	20.0	26.4	118.2	196.2	82.4	55.9	3.0	130.3
1974	1,403.7	—	87.2	128.0	419.3	104.0	36.1	23.2	32.6	136.1	236.2	103.6	93.9	3.6	138.6
1975	1,340.9	—	77.8	113.2	455.9	92.8	32.6	23.4	28.5	123.5	213.7	92.8	82.9	3.7	153.4
1976	1,327.0	11.7	76.3	106.2	461.8	82.5	30.8	22.3	30.4	113.5	223.8	85.3	79.1	3.5	164.7
TQ	256.7	2.3	16.9	28.1	89.9	14.2	4.8	5.5	5.4	19.7	34.9	22.4	11.9	0.6	171.3
1977	1,354.5	16.7	78.6	122.8	456.0	81.2	31.0	28.5	35.6	114.6	221.9	86.5	76.9	4.3	178.7

*Excludes NLM, OD, Buildings & Facilities, and Foreign Currency Programs. Constant dollars based on revised NIH biomedical R&D deflator (1968=100). †Total (only) contains ED (1968-69) and DCRT (1968-70), which are no longer separately budgeted. ‡Contains HRF (1968). Contains GRS programs, 1974-77, formerly spread among I/RDs (but 1973 funds released in 1974 are spread).

Table 13

NIH OBLIGATIONS BY FUNCTION/MECHANISM, FISCAL YEARS 1968 - 1977*

Excluding Programs That Have Been Transferred Out

(In thousands of dollars)

Function/mechanism	1968	1969	1970	1971	1972	1973	1974	1975	1976	TQ	1977
Total	**$1,102,428**	**$1,087,728**	**$1,057,759**	**$1,211,979**	**$1,505,793**	**$1,530,318**	**$1,994,431**	**$2,108,886**	**$2,238,410**	**$453,932**	**$2,581,988**
I/RD	**1,075,162**	**1,065,989**	**1,029,765**	**1,180,600**	**1,465,617**	**1,483,530**	**1,945,224**	**2,056,904**	**2,185,528**	**439,622**	**2,420,685**
Grants & R&D contracts	931,387	907,651	867,330	1,003,199	1,259,376	1,255,585	1,685,423	1,744,098	1,836,239	350,689	2,018,103
Regular grants	461,328	454,949	437,316	472,389	563,314	585,373	765,121	808,404	909,303	184,606	1,015,244
Special grants†	183,272	190,035	183,290	223,050	256,778	255,985	326,674	338,530	357,825	74,873	407,255
R&D contracts‡	88,789	94,600	96,070	154,907	229,630	254,220	335,291	346,924	367,921	62,967	385,724
Research training	159,629	168,067	150,654	152,853	158,651	115,979	186,489	154,875	119,998	12,336	127,458
Disease control	–	–	–	–	–	5,223	33,758	50,389	56,471	11,627	60,482
Construction	38,369	–	–	–	51,003	38,805	38,090	44,976	24,721	4,280	21,940
Direct activities	143,775	158,338	162,435	177,401	206,241	227,945	259,801	312,806	349,289	88,933	402,582
Research	117,666	130,029	136,417	144,432	160,404	173,610	189,033	224,695	240,524	63,555	247,952§
Other‖	26,109	28,309	26,018	32,969	45,837	54,335	70,768	88,111	108,765	25,378	154,630§
NLM	**27,266**	**21,739**	**19,758**	**21,382**	**23,859**	**24,964**	**29,236**	**28,843**	**27,014**	**8,429**	**34,527**
OD	–	–	7,988	8,902	11,242	12,000	12,695	17,298	18,334	4,606	16,921
Buildings & facilities	–	–	248	1,095	5,075	9,824	7,276	5,841	7,534	1,275	109,855

*Excludes Foreign Currency Programs. †Contains RCPAs. ‡DRG award data are shown through FY 1970. §Reflects new budget structure; not strictly comparable with prior years.
‖Contains management of extramural programs, ODs of I/RDs, and some management costs applicable to overall operations.

Table 14

NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1977

(In thousands of dollars)

I/RD & program activity	Total	Grants and R&D contracts							Direct activities		
		R&D grants		R&D contracts	Research training		Disease control	Construction	Research	Other direct*	Program mgt. (ODs)
		Regular	Special		Indiv.	Inst'l					
Total I/RD	$2,420,685	$1,015,244	$407,255	$385,724	$24,946	$102,512	$60,482	$21,940	$247,952	$132,726	$21,904
NIA	29,879	17,539	133	1,823	413	1,780	–	–	6,093	1,359	739
Aging	21,688	17,539	133	1,823	413	1,780	–	–	–	–	–
Intramural research	6,093	–	–	–	–	–	–	–	6,093	–	–
Direct operations	1,359	–	–	–	–	–	–	–	–	1,359	–
Program management	739	–	–	–	–	–	–	–	–	–	739
NIAID	140,382	76,799	5,684	15,279	1,970	4,598	–	–	27,769	6,646	1,637
Immunology;immunologic & allergic diseases	38,675	32,288	1,512	2,235	801	1,839	–	–	–	–	–
Microbiology & infectious diseases	65,655	44,511	4,172	13,044	1,169	2,759	–	–	–	–	–
Intramural research	27,769	–	–	–	–	–	–	–	27,769	–	–
Direct operations	6,646	–	–	–	–	–	–	–	–	6,646	–
Program management	1,637	–	–	–	–	–	–	–	–	–	1,637

*Includes mgt. of extramural programs, some mgt. costs applicable to overall operations, etc.

(Continued)

Total NIH	$2,581,988
I/RD	2, 420,685
NLM	34,527
OD	16,921
Bldgs. & fac.	109,855

Table 14 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

I/RD & program activity	Total	Grants and R&D contracts							Direct activities		
		R&D grants		R&D contracts	Research training		Disease control	Construction	Research	Other direct*	Program mgt. (ODs)
		Regular	Special		Indiv.	Inst'l					
NIAMDD	$ 219,444	$139,029	$20,599	$10,795	$2,464	$7,198	–	–	$30,932	$7,585	$842
Arthritis; bone & skin diseases	34,488	27,106	3,601	1,573	403	1,805	–	–	–	–	–
Diabetes, endocrinology, & metabolism	74,801	59,380	11,167	1,279	1,140	1,835	–	–	–	–	–
Digestive diseases & nutrition	34,588	26,441	3,731	2,225	517	1,674	–	–	–	–	–
Kidney disease, urology, & hematology	36,208	26,102	2,100	5,718	404	1,884	–	–	–	–	–
Intramural research	30,932	–	–	–	–	–	–	–	30,932	–	–
Direct operations	7,585	–	–	–	–	–	–	–	–	7,585	–
Program management	842	–	–	–	–	–	–	–	–	–	842
NCI	814,905	166,277	176,701	224,382	4,559	15,232	$60,482	$21,940	80,517	57,217	7,598
Research	639,243	166,277	106,433	224,382	–	–	2,381	–	80,517	52,125	7,128
Cause & prevention	219,800	41,434	29,628	108,065	–	–	–	–	25,181	13,045	2,447
Detection & diagnosis	51,961	6,814	5,569	23,257	–	–	–	–	7,650	7,782	889
Treatment	252,377	65,648	54,171	76,729	–	–	2,381	–	31,699	19,454	2,295
Cancer biology	115,105	52,381	17,065	16,331	–	–	–	–	15,987	11,844	1,497
Resource development	115,644	–	70,268	–	4,559	15,232	–	21,940	–	3,433	212
Cancer centers support	59,286	–	57,765	–	–	–	–	–	–	1,430	91
Research manpower	33,621	–	12,503	–	4,599	15,232	–	–	–	1,259	68
Construction	22,737	–	–	–	–	–	–	21,940	–	744	53
Cancer control	60,018	–	–	–	–	–	58,101	–	–	1,659	258

See footnote at beginning of table.

(Continued)

Table 14 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

I/RD & program activity	Total	Grants and R&D contracts							Direct activities		
		R&D grants		R&D contracts	Research training		Disease control	Construction	Research	Other direct*	Program mgt. (ODs)
		Regular	Special		Indiv.	Inst'l					
NICHD	$145,111	$84,019	$7,944	$20,067	$1,553	$7,847	–	–	$15,530	$6,766	$1,385
Research for mothers & children	71,607	52,867	7,414	5,004	830	5,492	–	–	–	–	–
Population	49,823	31,152	530	15,063	723	2,355	–	–	–	–	–
Intramural research	15,530	–	–	–	–	–	–	–	15,530	–	–
Direct operations	6,766	–	–	–	–	–	–	–	–	6,766	–
Program management	1,385	–	–	–	–	–	–	–	–	–	1,385
NIDR	55,405	21,382	8,801	5,105	1,154	2,170	–	–	10,653	5,061	1,079
Caries	10,213	4,759	82	3,190	131	210	–	–	–	1,841	–
Periodontal diseases	5,811	3,649	758	571	165	668	–	–	–	–	–
Restorative materials	3,592	2,388	123	401	325	355	–	–	–	–	–
Craniofacial anomalies	7,463	6,167	215	515	283	283	–	–	–	–	–
Pain control & behavioral studies	1,587	1,139	57	90	95	206	–	–	–	–	–
Soft tissue, stomatology, and nutrition	4,439	3,280	218	338	155	448	–	–	–	–	–
Dental research institutes	7,348	–	7,348	–	–	–	–	–	–	–	–
Intramural research	10,653	–	–	–	–	–	–	–	10,653	–	–
Direct operations	3,220	–	–	–	–	–	–	–	–	3,220	–
Program management	1,079	–	–	–	–	–	–	–	–	–	1,079

See footnote at beginning of table.

(Continued)

Table 14 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

I/RD & program activity	Total	Grants and R&D contracts							Direct activities		
		R&D grants		R&D contracts	Research training		Disease control	Construction	Research	Other direct*	Program mgt. (ODs)
		Regular	Special		Indiv.	Inst'l					
NIEHS	$50,891	$18,592	$7,203	$5,102	$431	$3,764	–	–	$13,413	$1,223	$1,163
Environmental health science centers	6,901	–	6,901	–	–	–	–	–	–	–	–
Envir. mutagenesis & reprod. toxicology	4,368	2,199	–	2,096	38	35	–	–	–	–	–
Etiology of envir. diseases & disorders	8,525	6,859	90	812	117	647	–	–	–	–	–
Environmental pharmacology & toxicology	12,726	7,665	179	2,086	262	2,534	–	–	–	–	–
Environmental pathogenesis	2,572	1,869	33	108	14	548	–	–	–	–	–
Intramural research	13,413	–	–	–	–	–	–	–	13,413	–	–
Direct operations	1,223	–	–	–	–	–	–	–	–	1,223	–
Program management	1,163	–	–	–	–	–	–	–	–	–	1,163
NEI	63,654	39,969	5,974	3,517	1,267	3,364	–	–	6,973	1,623	967
Retinal & choroidal diseases	22,893	15,872	1,925	3,487	723	886	–	–	–	–	–
Corneal diseases	8,274	5,951	1,248	–	183	892	–	–	–	–	–
Cataract	4,851	4,134	431	30	44	242	–	–	–	–	–
Glaucoma	6,941	4,417	1,686	–	48	760	–	–	–	–	–
Sensory-motor disorders & rehabilitation	11,132	9,595	684	–	269	584	–	–	–	–	–
Intramural research	6,973	–	–	–	–	–	–	–	6,973	–	–
Direct operations	1,623	–	–	–	–	–	–	–	–	1,623	–
Program management	967	–	–	–	–	–	–	–	–	–	967

See footnote at beginning of table.

(Continued)

Table 14 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

I/RD & program activity	Total	Grants and R&D contracts							Direct activities		
		R&D grants		R&D contracts	Research training		Disease control	Construction	Research	Other direct*	Program mgt. (ODs)
		Regular	Special		Indiv.	Inst'l					
NIGMS	$204,758	$128,021	$24,715	$887	$4,316	$39,524	–	–	$379	$5,680	$1,236
Cellular & molecular basis of disease	69,220	45,680	2,489	15	1,423	19,613	–	–	–	–	–
Genetics	65,173	48,469	7,679	621	1,767	6,637	–	–	–	–	–
Pharmacology-toxicology	26,085	15,190	5,359	42	245	5,249	–	–	–	–	–
Clinical & physiological sciences	19,126	8,130	6,162	–	66	4,768	–	–	–	–	–
Biomedical engineering	16,071	10,552	3,026	209	86	2,198	–	–	–	–	–
Minority access to research careers	1,788	–	–	–	729	1,059	–	–	–	–	–
Intramural research	379	–	–	–	–	–	–	–	379	–	–
Direct operations	5,680	–	–	–	–	–	–	–	–	5,680	–
Program management	1,236	–	–	–	–	–	–	–	–	–	1,236
NHLBI	396,531	236,176	6,428	81,283	2,678	14,406	–	–	32,438	20,347	2,775
Heart & vascular diseases	228,317	151,131	2,766	63,996	1,864	8,560	–	–	–	–	–
Lung diseases	54,994	39,615	2,675	8,671	420	3,613	–	–	–	–	–
Blood diseases & resources	57,660	45,430	987	8,616	394	2,233	–	–	–	–	–
Intramural research	32,438	–	–	–	–	–	–	–	32,438	–	–
Direct operations	20,347	–	–	–	–	–	–	–	–	20,347	–
Program management	2,775	–	–	–	–	–	–	–	–	–	2,775

See footnote at beginning of table.

(Continued)

Table 14 (Cont.)
NIH OBLIGATIONS BY I/RD AND PROGRAM ACTIVITY AND BY FUNCTION/MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

I/RD & program activity	Total	Grants and R&D contracts							Direct activities		
		R&D grants		R&D contracts	Research training		Disease control	Construction	Research	Other direct*	Program mgt. (ODs)
		Regular	Special		Indiv.	Inst'l					
NINCDS	$154,594	$87,441	$12,292	$13,731	$4,109	$2,189	–	–	$23,255	$10,178	$1,399
Communicative disorders	21,148	16,911	2,107	760	622	748	–	–	–	–	–
Neurological disorders	49,601	34,901	5,124	5,876	2,704	996	–	–	–	–	–
Stroke, nervous system trauma	22,951	16,867	4,496	1,429	159	–	–	–	–	–	–
Fundamental neurosciences	22,257	18,762	565	1,861	624	445	–	–	–	–	–
Intramural research	27,060	–	–	3,805	–	–	–	–	23,255	–	–
Direct operations	10,178	–	–	–	–	–	–	–	–	10,178	–
Program management	1,399	–	–	–	–	–	–	–	–	–	1,399
DRR	137,408	–	129,381	3,753	32	440	–	–	–	2,961	841
Clinical research	47,077	–	46,728	349	–	–	–	–	–	–	–
Biotechnology research	12,800	–	12,186	614	–	–	–	–	–	–	–
Lab. animal sciences & primate research	22,055	–	19,913	1,670	32	440	–	–	–	–	–
Biomedical research support	40,873	–	40,873	–	–	–	–	–	–	–	–
Minority biomedical support	9,711	–	9,681	30	–	–	–	–	–	–	–
Chem. biological info.-handling research	1,090	–	–	1,090	–	–	–	–	–	–	–
Direct operations	2,961	–	–	–	–	–	–	–	–	2,961	–
Program management	841	–	–	–	–	–	–	–	–	–	841
FIC	7,723	–	1,400	–	–	–	–	–	–	6,080	243
Gorgas Memorial Institute	1,400	–	1,400	–	–	–	–	–	–	–	–
Scholars	2,904	–	–	–	–	–	–	–	–	2,904	–
Direct operations	3,176	–	–	–	–	–	–	–	–	3,176	–
Program management	243	–	–	–	–	–	–	–	–	–	243

See footnote at beginning of table.

Table 15

NLM APPROPRIATION AND OBLIGATIONS BY FUNCTION/MECHANISM AND ORGANIZATION, FISCAL YEAR 1977

(In thousands of dollars)

Function/mechanism	Total	Extramural Programs	Library Operations	Toxicology Information	National Medical Audiovisual Center	Lister Hill National Center for Biomedical Communications	Office of the Director
APPROPRIATION							
Total	**$35,234**	**$8,882**	**$12,658**	**$2,166**	**$3,401**	**$3,215**	**$4,912**
Medical library assistance grants	5,200	5,200	–	–	–	–	–
Intramural programs	15,200	–	9,533	1,681	2,871	1,115	–
Contracts	9,040	2,800	3,125	485	530	2,100	–
Program management	5,794	882	–	–	–	–	4,912
OBLIGATIONS							
Total	**34,527**	**9,184**	**12,252**	**1,928**	**3,451**	**2,777**	**4,935**
Medical library assistance grants	5,103	5,103	–	–	–	–	–
Intramural programs	15,639	–	9,757	1,570	2,893	1,419	–
Contracts	8,013	3,244	2,495	358	558	1,358	–
Program management	5,772	837	–	–	–	–	4,935

Table 16
NIH AWARDS BY FUNDING MECHANISM, FISCAL YEARS 1965-1977*
Excluding Programs That Have Been Transferred Out
(Dollars in millions)

Fiscal year	Total amount	Institutes and Research Divisions												NLM awards
		R&D						Construction grants		Research training				
		Research grants†		Research career program awards		R&D contracts				Individual awards		Institutional grants		
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Amount
1965	$736.1	13,389	$472.6	1,049	$19.5	397	$46.2	117	$64.9	3,198	$22.3	2,374	$110.7	
1966	809.8	13,319	528.6	1,188	22.6	514	50.7	84	58.7	3,587	24.7	2,568	124.4	
1967	899.9	13,937	593.3	1,246	25.1	688	82.2	72	42.3	3,575	25.3	2,411	131.7	
1968	957.0	12,947	620.2	1,267	26.8	928	88.9	50	41.1	3,592	27.6	2,405	132.0	$20.3
1969	945.5	12,276	621.2	1,254	27.9	812	94.6	20	21.5	3,842	29.7	2,373	138.4	12.2
1970	881.4	11,203	596.6	1,179	27.6	854	96.2	3	0.5	2,806	22.7	2,164	127.9	9.7
1971	1,005.4	10,959	671.7	1,167	28.0	1,167	143.0	—	—	2,718	23.8	2,111	129.1	9.7
1972	1,253.6	11,412	797.8	1,156	27.7	1,381	215.6	17	44.1	2,264	21.5	2,024	136.1	10.8
1973	1,241.2	11,223	811.6	1,087	25.9	1,522	243.9	20	33.5	1,233	12.2	1,696	103.1	11.1
1974	1,680.5	13,364	1,075.9	958	23.5	1,882	349.9	9	31.7	2,267	30.6	2,922	155.9	13.0
1975	1,735.3	13,398	1,119.1	1,104	26.9	2,074	390.9	12	30.0	2,056	27.8	1,739	129.0	11.6
1976	1,830.5	14,264	1,248.5	1,024	25.6	1,976	404.1	14	20.0	1,652	23.2	1,339	98.8	10.3
TQ‡	349.5	3,914	256.2	180	3.9	441	70.3	3	3.5	676	8.3	140	4.4	3.0
1977	2,015.1	14,447	1,401.0	1,055	32.7	2,161	419.7	10	16.0	1,975	27.3	1,200	103.1	15.4

* Excludes Scientific Evaluation Grants ($8.4 million in FY 1977). † Contains GRS programs, including NIMH portion thru FY 1974. ‡ Contains some actions that are mere increases in FY 1976 awards.

Table 17
NIH AWARDS BY NIH COMPONENT AND FUNDING MECHANISM, FISCAL YEAR 1977
(Dollars in thousands)

NIH component	Total amount	R&D						Research training							
		Research grants		Research career program awards		R&D contracts		Total				NRSA			
								Individual awards		Institutional grants		Individual awards		Institutional grants	
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	$2,015,061*†	14,447	$1,401,038	1,055	$32,652	2,161	$419,652	1,975	$27,271	1,200	$103,072	1,734	$23,741	884	$76,053
NIA	21,268	213	17,352	5	133	16	1,590	28	412	20	1,780	27	398	15	1,103
NIAID	104,580	1,043	78,801	103	3,284	124	15,924	144	1,971	69	4,599	140	1,922	47	3,170
NIAMDD	179,400	1,936	152,310	184	5,889	101	11,444	179	2,463	144	7,293	175	2,413	144	7,293
NCI	654,045†	3,027	353,728	112	3,527	1,166	261,000	335	4,559	117	15,232	325	4,367	103	13,677
NICHD	121,243	1,025	89,951	58	1,778	165	20,116	113	1,552	89	7,847	110	1,504	49	4,189
NIDR	37,656	359	29,142	30	858	54	4,332	42	578	39	2,746	40	547	26	2,170
NIEHS	35,371	246	26,965	10	302	26	3,925	33	431	34	3,749	29	372	27	3,025
NEI	53,951	722	43,945	62	1,857	32	3,517	95	1,267	57	3,364	91	1,216	45	2,440
NIGMS	196,491	1,889	146,733	177	5,392	4	526	323	4,316	402	39,524	309	4,227	247	25,915
NHLBI	332,288	2,106	234,076	208	6,428	334	74,796	190	2,678	190	14,310	188	2,650	143	10,444
NINCDS	118,636	1,099	95,924	105	3,178	93	13,236	299	4,109	31	2,188	298	4,092	31	2,188
DRR	136,974	782	132,113	1	24	23	4,366	2	32	8	440	2	32	7	439
FIC	3,165	–	–	–	–	1	262	192	2,903	–	–	–	–	–	–
OTHER‡	4,619	–	–	–	–	22	4,619	–	–	–	–	–	–	–	–

* Total (only) contains NLM grants ($5.0 million) and contracts ($10.4 million). † Contains $16 million in construction grants. ‡ Includes CC, DRS, and OD.

Table 18
NIH AWARDS BY STATE AND FUNDING MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

State	Total	Institutes and Research Divisions								NLM awards
		R&D				Cancer construction grants	Research training			
		Total	Research grants	Research career program awards	R&D contracts		Total	Individual awards	Institutional grants	
Total	$2,015,061	$1,853,343	$1,401,038	$32,652	$419,652	$16,000	$130,343	$27,271	$103,072	$15,375
U.S. total	1,993,312	1,832,437	1,394,568	32,652	405,216	16,000	129,499	26,427	103,072	15,375
Alabama	26,000	24,252	16,115	251	7,886	—	1,508	153	1,355	240
Alaska	535	456	456	—	—	—	—	—	—	79
Arizona	10,275	9,834	7,861	147	1,826	—	441	97	344	—
Arkansas	2,256	2,148	1,549	34	565	—	38	38	—	71
California	278,405	256,409	198,930	4,318	53,162	—	20,550	5,292	15,258	1,445
Colorado	24,698	22,504	19,788	599	2,117	—	2,180	576	1,604	14
Connecticut	49,242	43,260	38,726	874	3,660	1,064	4,810	1,014	3,796	108
Delaware	1,656	1,646	1,031	42	573	—	10	10	—	—
Dist. of Col.	31,704	26,256	14,972	95	11,189	3,874	469	135	334	1,105
Florida	29,158	27,479	21,519	606	5,354	—	1,568	295	1,273	111
Georgia	20,749	19,192	15,216	355	3,621	—	919	239	680	637
Hawaii	6,725	6,529	3,718	84	2,728	—	166	74	92	31
Idaho	790	746	388	29	329	—	—	—	—	44
Illinois	81,206	73,464	57,912	1,593	13,959	895	6,332	977	5,355	515
Indiana	20,261	18,735	16,437	462	1,837	—	1,447	267	1,180	79

(Continued)

Table 18 (Cont.)
NIH AWARDS BY STATE AND FUNDING MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

State	Total	Institutes and Research Divisions								NLM awards
		R&D				Cancer construction grants	Research training			
		Total	Research grants	Research career program awards	R&D contracts		Total	Individual awards	Institutional grants	
Iowa	$18,234	$16,923	$12,882	$426	$3,635	–	$1,311	$184	$1,127	–
Kansas	12,356	11,598	9,608	359	1,631	–	758	82	676	–
Kentucky	6,623	6,199	5,070	32	1,097	–	139	67	72	$285
Louisiana	14,544	13,914	11,444	263	2,207	–	581	123	458	50
Maine	4,809	4,661	3,897	29	735	–	74	26	48	74
Maryland	132,700	124,547	42,315	1,035	81,197	–	5,630	1,933	3,697	2,523
Massachusetts	191,955	172,421	140,819	3,809	27,793	$4,365	14,501	3,908	10,593	668
Michigan	48,699	45,176	33,413	461	11,302	–	3,186	553	2,633	337
Minnesota	54,654	51,116	35,904	645	14,566	–	3,277	590	2,687	261
Mississippi	4,342	3,991	3,059	31	901	–	350	30	320	–
Missouri	49,002	44,417	37,080	992	6,346	–	4,415	605	3,810	171
Montana	577	512	396	30	86	–	–	–	–	65
Nebraska	6,627	6,195	2,900	–	3,295	–	33	–	33	398
Nevada	481	481	339	–	142	–	–	–	–	–
New Hampshire	5,734	5,703	4,139	142	1,422	–	31	31	–	–
New Jersey	20,113	18,452	9,590	278	8,584	–	1,092	179	912	569
New Mexico	8,659	8,432	6,657	157	1,618	–	228	32	196	–
New York	281,009	258,099	219,211	4,341	34,547	4,120	17,346	3,047	14,299	1,444
North Carolina	54,835	48,087	40,655	1,348	6,084	–	6,622	716	5,906	126
North Dakota	360	289	289	–	–	–	70	–	70	–

(Continued)

Table 18 (Cont.)
NIH AWARDS BY STATE AND FUNDING MECHANISM, FISCAL YEAR 1977
(In thousands of dollars)

State	Total	Institutes and Research Divisions								NLM awards
		R&D				Cancer construction grants	Research training			
		Total	Research grants	Research career program awards	R&D contracts		Total	Individual awards	Institutional grants	
Ohio	$49,684	$43,681	$34,101	$561	$9,019	$1,682	$2,997	$334	$2,663	$1,325
Oklahoma	7,689	7,415	4,631	75	2,709	–	274	39	235	–
Oregon	20,133	19,290	15,731	527	3,033	–	843	263	579	–
Pennsylvania	116,956	108,892	92,272	1,966	14,653	–	7,054	1,158	5,896	1,010
Rhode Island	6,660	6,342	4,789	184	1,369	–	318	130	188	–
South Carolina	5,842	5,603	4,900	60	643	–	239	72	167	–
South Dakota	301	275	250	25	–	–	–	–	–	26
Tennessee	31,881	29,712	26,272	549	2,891	–	2,169	345	1,823	–
Texas	87,025	82,444	65,752	1,703	14,989	–	4,273	960	3,313	308
Utah	17,198	16,635	11,508	462	4,666	–	541	105	435	23
Vermont	6,989	6,817	5,960	135	722	–	172	29	143	–
Virginia	39,913	37,393	16,553	881	19,959	–	1,734	283	1,451	785
Washington	54,205	49,595	40,551	737	8,308	–	4,188	728	3,460	422
West Virginia	1,401	1,245	1,075	56	113	–	132	13	119	25
Wisconsin	43,019	38,583	33,136	739	4,707	–	4,436	682	3,753	–
Wyoming	423	419	242	30	147	–	–	–	–	3
Puerto Rico	3,839	3,786	2,582	95	1,109	–	52	15	37	–
Pacific Trust Territory	184	184	–	–	184	–	–	–	–	–
Foreign	21,749	20,906	6,470	–	14,436	–	844	844	–	–

Table 19

NIH AWARDS BY PERFORMING INSTITUTION AND FUNDING MECHANISM, FISCAL YEAR 1977

(Dollars in thousands)

Performing institution	Total			Institutes and Research Divisions								
				R&D							Cancer construction grants	
				Total amount	Research grants			Research career program awards		R&D contracts		
	No. of inst.*	Amount	Percent		No. of inst.*	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	**1,207**	**$2,015,061**	**100.0%**	**$1,853,342**	**782**	**14,447**	**$1,401,038**	**1,055**	**$32,652**	**2,161**	**$419,652**	**10**	**$16,000**
Domestic	1,060	1,993,312	98.9	1,832,437	706	14,299	1,394,568	1,055	32,652	2,030	405,216	10	16,000
Nonprofit	919	1,864,656	92.5	1,708,005	706	14,299	1,394,568	1,055	32,652	1,722	280,786	10	16,000
Higher education†	380	1,444,855	71.7	1,309,638	366	11,942	1,118,206	959	29,281	1,063	162,151	7	11,122
Medical schools‡	119	991,804	49.2	900,988	117	7,270	754,796	652	20,437	778	125,756	6	9,624
Government	119	46,516	2.3	43,156	61	311	26,079	5	185	95	16,892	1	600
Federal	31	3,486	0.2	1,943	15	21	1,371	–	–	6	572	–	–
Research institutes	10	1,401	0.1	–	–	–	–	–	–	–	–	–	–
Hospitals	15	1,305	0.1	1,262	13	18	1,262	–	–	–	–	–	–
Other	6	781	0.0	682	2	3	110	–	–	6	572	–	–
State and local	88	43,030	2.1	41,213	46	290	24,708	5	185	89	16,320	1	600
Research institutes	6	2,573	0.1	2,564	5	39	2,379	–	–	2	184	–	–
Hospitals	37	23,572	1.2	22,570	24	186	17,491	5	185	40	4,894	–	–
Other	45	16,884	0.8	16,080	17	65	4,838	–	–	47	11,242	1	600
Other nonprofit	420	373,284	18.5	355,212	279	2,046	250,283	100	3,185	564	101,743	2	4,278
Research institutes	137	208,434	10.3	198,254	108	999	135,831	39	1,263	320	61,160	2	4,278
Hospitals§	171	134,269	6.7	129,171	118	928	100,758	58	1,829	158	26,583	–	–
Other	112	30,581	1.5	27,787	53	119	13,694	3	93	86	14,000	–	–
Profit	141	128,656	6.4	124,430	–	–	–	–	–	308	124,430	–	–
Research institutes	58	44,028	2.2	43,930	–	–	–	–	–	150	43,930	–	–
Other	83	84,629	4.2	80,501	–	–	–	–	–	158	80,501	–	–
Foreign ‖	147	21,749	1.1	20,906	76	148	6,470	–	–	131	14,436	–	–

*Each individual institution, or separate branch of a university or college belonging to a State system of higher education, is counted separately. †Contains all hospitals owned by these institutions. ‡Contains joint schools of medicine and dentistry. §Independent hospitals not owned by institutions classified as Higher Education, Government, or Research Institute. ‖U.S. citizens and nationals training in foreign institutions.

(Continued)

Table 19 (Cont.)
NIH AWARDS BY PERFORMING INSTITUTION AND FUNDING MECHANISM, FISCAL YEAR 1977
(Dollars in thousands)

Performing institution	Institutes and Research Divisions										NLM awards	
	Research training											
	All research training					NRSA						
	Total amount	Individual awards		Institutional grants		Total amount	Individual awards		Institutional grants		Number of institutions*	Amount
		Number	Amount	Number	Amount		Number	Amount	Number	Amount		
Total	**$130,343**	**1,975**	**$27,271**	**1,200**	**$103,072**	**$99,794**	**1,734**	**$23,741**	**884**	**$76,053**	**213**	**$15,375**
Domestic	129,499	1,915	26,427	1,200	103,072	98,974	1,675	22,921	884	76,053	213	15,375
Nonprofit	129,499	1,915	26,427	1,200	103,072	98,974	1,675	22,921	884	76,053	180	11,149
Higher education†	117,169	1,609	22,189	1,088	94,980	89,272	1,426	19,567	796	69,705	106	6,925
Medical schools‡	77,294	943	13,181	756	64,113	59,654	817	11,337	572	48,317	51	3,898
Government	2,514	136	1,773	12	740	1,694	96	1,134	9	560	12	246
Federal	1,464	114	1,464	–	–	852	76	852	–	–	1	78
Research institutes	1,401	109	1,401	–	–	815	73	815	–	–	–	–
Hospitals	43	3	43	–	–	17	1	17	–	–	–	–
Other	21	2	21	–	–	21	2	21	–	–	1	78
State and local	1,049	22	309	12	740	842	20	282	9	560	11	167
Research institutes	9	1	9	–	–	9	1	9	–	–	–	–
Hospitals	901	19	282	10	619	743	18	258	8	485	9	101
Other	139	2	18	2	121	90	1	15	1	75	2	66
Other nonprofit	9,817	170	2,465	100	7,352	8,008	153	2,219	79	5,789	62	3,978
Research institutes	4,698	87	1,246	39	3,452	4,308	78	1,123	35	3,185	8	1,204
Hospitals§	4,527	76	1,128	55	3,400	3,149	68	1,005	39	2,144	25	571
Other	591	7	91	6	500	549	7	91	5	458	29	2,203
Profit	–	–	–	–	–	–	–	–	–	–	33	4,226
Research institutes	–	–	–	–	–	–	–	–	–	–	2	98
Other	–	–	–	–	–	–	–	–	–	–	31	4,128
Foreign ‖	844	60	844	–	–	820	59	820	–	–	–	–

See footnotes at beginning of table.

Table 20

NIH AWAROS TO U.S. INSTITUTIONS OF HIGHER EDUCATION BY COMPONENT AND FUNDING MECHANISM, FISCAL YEAR 1977

(Dollars in thousands)

Major component	Total		Institutes and Research Divisions								
			R&D							Cancer construction grants	
			Total amount	Research grants		Research career program awards		R&D contracts			
	Amount	Percent		Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total — all institutions	($2,015,061)		($1,853,342)	(14,447)	($1,401,038)	(1,055)	($32,652)	(2,161)	($419,652)	(10)	($16,000)
Total — higher education	1,444,855	100.0%	1,309,638	11,942	1,116,206	950	29,281	1,063	162,151	7	11,122
Health professional components	1,114,867	77.1	1,014,107	8,172	842,014	723	22,559	920	149,534	6	9,624
Medical schools*	991,804	68.6	900,988	7,270	754,796	652	20,437	778	125,756	6	9,624
Public health	34,745	2.4	30,765	193	23,081	17	509	47	7,175	—	—
Dentistry	27,457	1.9	24,864	254	21,539	24	689	25	2,636	—	—
Hospitals†	27,771	1.9	27,008	108	18.853	6	191	27	7,963	—	—
Veterinary medicine	14,734	1.0	13,539	139	11,749	6	187	14	1,603	—	—
Pharmacy	10,360	0.7	9,471	141	7,560	11	362	15	1,550	—	—
Other	7,996	0.6	7,472	67	4,436	7	185	14	2,850	—	—
Schools of A&S and graduate schools	213,308	14.8	187,469	2,720	175,316	195	5,812	77	6,342	1	1,499
Other components	116,681	8.1	108,061	1,050	100,875	32	910	66	6,276	—	—
Organized research units	24,613	1.7	23,196	160	21,650	2	28	14	1,518	—	—
Engineering	23,166	1.6	21,132	234	18,326	17	528	25	2,278	—	—
Agriculture	19,723	1.4	16,855	255	15,345	9	247	12	1,263	—	—
Primate centers	9,060	0.6	9,037	21	8,552	1	27	8	458	—	—
University-wide	30,240	2.1	30,147	313	30,086	—	—	1	61	—	—
Other	9,879	0.7	7,693	67	6,914	3	81	6	699	—	—

*Contains joint schools of medicine and dentistry. †Hospitals owned by institutions of higher education.

(Continued)

Table 20 (Cont.)
NIH AWARDS TO U.S. INSTITUTIONS OF HIGHER EDUCATION BY COMPONENT AND FUNDING MECHANISM, FISCAL YEAR 1977
(Dollars in thousands)

Major component	Institutes and Research Divisions										NLM awards
	Research training										
	Total amount	All research training				NRSA					
		Individual awards		Institutional grants		Total amount	Individual awards		Institutional grants		
		Number	Amount	Number	Amount		Number	Amount	Number	Amount	Amount
Total – all institutions	($130,343)	(1,975)	($27,271)	(1,200)	($103,072)	($99,794)	(1,734)	($23,741)	(884)	($76,053)	($15,375)
Total – higher education	117,169	1,609	22,189	1,088	94,980	89,272	1,426	19,567	796	69,705	6,925
Health professional components	86,652	1,036	14,569	854	72,083	66,970	895	12,478	644	54,492	4,482
Medical schools*	77,294	943	13,181	756	64,113	59,654	817	11,337	572	48,317	3,898
Public health	3,980	17	271	43	3,709	2,971	13	213	32	2,758	–
Dentistry	2,206	29	444	23	1,762	1,886	21	310	17	1,576	386
Hospitals†	763	9	129	4	634	746	8	112	4	634	–
Veterinary medicine	1,143	19	291	12	852	682	18	271	6	411	52
Pharmacy	689	8	106	12	783	656	7	91	9	565	–
Other	377	11	145	4	231	375	11	144	4	231	147
Schools of A&S and graduate schools	23,637	458	6,044	171	17,593	17,060	426	5,629	109	11,431	703
Other components	6,880	115	1,576	63	5,304	5,241	105	1,459	43	3,782	1,741
Organized research units	1,234	39	560	12	674	1,081	35	514	11	567	184
Engineering	1,949	33	448	23	1,501	1,295	31	419	13	876	85
Agriculture	2,828	34	441	19	2,387	2,320	31	413	13	1,907	41
Primate centers	22	–	3	1	19	22	–	3	1	19	–
University-wide	–	–	–	–		–	–	–	–	–	93
Other	847	9	125	8	722	525	8	112	5	413	1,338

See footnotes at beginning of table.

Table 21
NIH AWARDS BY NIH COMPONENT AND PERFORMER, FISCAL YEAR 1977
(In thousands of dollars)

NIH component	Total	Domestic nonprofit institutions							Domestic profit institutions			Foreign institutions
		Total	Higher education				Research institutes	Hospitals†	Other	Total	Research institutes	Other	
			Total	Medical schools*	Other health professional schools	Other							
Total	**$2,015,061**	**$1,864,656**	**$1,444,855**	**$991,804**	**$123,062**	**$329,990**	**$212,408**	**$159,146**	**$48,246**	**$128,656**	**$44,028**	**$84,629**	**$21,749**
I/RD	**1,999,686**	**1,853,506**	**1,437,930**	**987,906**	**122,478**	**327,546**	**211,204**	**158,474**	**45,899**	**124,430**	**43,929**	**80,501**	**21,749**
NIA	21,268	20,615	16,601	8,912	963	6,727	2,011	1,582	420	612	54	557	41
NIAID	104,580	102,810	83,311	56,394	7,387	19,530	10,289	7,535	1,676	1,063	1,061	1	707
NIAMDD	179,400	177,390	145,268	118,350	4,330	22,589	9,885	21,435	802	777	329	448	1,233
NCI	654,045	543,538	341,907	253,715	40,544	47,648	116,360	60,376	24,894	98,496	32,415	66,081	12,011
NICHD	121,243	118,148	94,755	57,590	9,570	27,595	12,222	9,051	2,119	2,379	1,055	1,324	716
NIDR	37,656	36,537	31,176	6,228	22,119	2,829	2,758	620	1,984	863	589	274	257
NIEHS	35,371	33,583	30,243	14,495	6,441	9,307	2,718	556	67	1,613	1,269	344	175
NEI	53,951	53,462	44,916	32,651	1,543	10,722	4,611	3,676	259	30	–	30	458
NIGMS	196,491	195,710	181,951	89,518	4,978	87,455	8,971	3,764	1,023	127	29	99	654
NHLBI	332,288	316,242	255,887	217,839	14,246	23,802	24,086	29,289	6,980	11,811	5,330	6,481	4,235
NINCDS	118,636	115,497	98,859	77,970	3,230	17,659	6,245	9,263	1,130	1,900	1,584	316	1,238
DRR	136,974	134,921	110,226	52,613	6,866	50,747	9,956	11,172	3,567	2,054	187	1,867	–
FIC	3,165	3,145	2,298	1,533	175	591	689	154	3	–	–	–	21
OTHER‡	4,619	1,908	531	99	86	346	403	–	975	2,706	27	2,679	5
NLM	**15,375**	**11,149**	**6,925**	**3,898**	**583**	**2,444**	**1,204**	**673**	**2,347**	**4,226**	**98**	**4,128**	**–**

* Contains joint schools of medicine and dentistry. †Includes all nonprofit hospitals not owned by schools or research institutes. ‡ Includes CC, DRS, and OD.

Table 22
NIH AWARDS TO U.S. MEDICAL SCHOOLS BY FUNDING MECHANISM, FISCAL YEARS 1967-1977*
(Dollars in thousands)

Fiscal year	Total amount	Institutes and Research Divisions												NLM awards
		R&D						Construction grants		Research training				
		Research grants		Research career program awards		R&D contracts				Individual awards		Institutional grants		
		Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Amount
1967	$435,727	6,907	$303,772	916	$18,842	NA	NA	31	$18,541	1,142	$8,923	1,539	$84,188	$1,461
1968	466,532	6,508	323,143	932	20,080	NA	NA	25	21,525	1,197	10,497	1,565	84,630	6,657
1969	465,896	6,236	329,507	877	20,116	NA	NA	10	12,535	1,320	11,581	1,566	89,763	2,394
1970	431,906	5,794	318,574	805	19,349	NA	NA	1	24	992	9,143	1,440	83,882	933
1971	479,600	5,731	363,928	777	19,265	NA	NA	—	—	1,031	10,271	1,425	85,052	1,085
1972	566,064	5,842	435,333	747	18,573	NA	NA	4	11,292	917	9,377	1,361	89,979	1,511
1973	636,459	5,731	447,226	687	17,004	527	$74,388	9	18,310	524	5,518	1,135	69,437	4,574
1974	851,197	6,668	588,948	625	15,854	688	110,695	5	14,525	1,107	15,370	1,911	100,655	5,150
1975	873,620	6,728	620,610	685	17,330	733	118,583	7	17,029	981	13,436	1,127	82,054	4,578
1976	891,485	7,177	680,975	630	16,168	686	110,834	8	8,327	813	11,589	806	60,037	3,557
1977	991,804	7,270	754,796	652	20,437	778	125,756	6	9,624	943	13,181	756	64,113	3,898

* Contains joint schools of medicine and dentistry. Does not include TQ.

Table 23

NIH SUPPORT OF CLINICAL TRIALS ACTIVE IN FISCAL YEAR 1976 BY NIH COMPONENT AND FUNCTION/MECHANISM

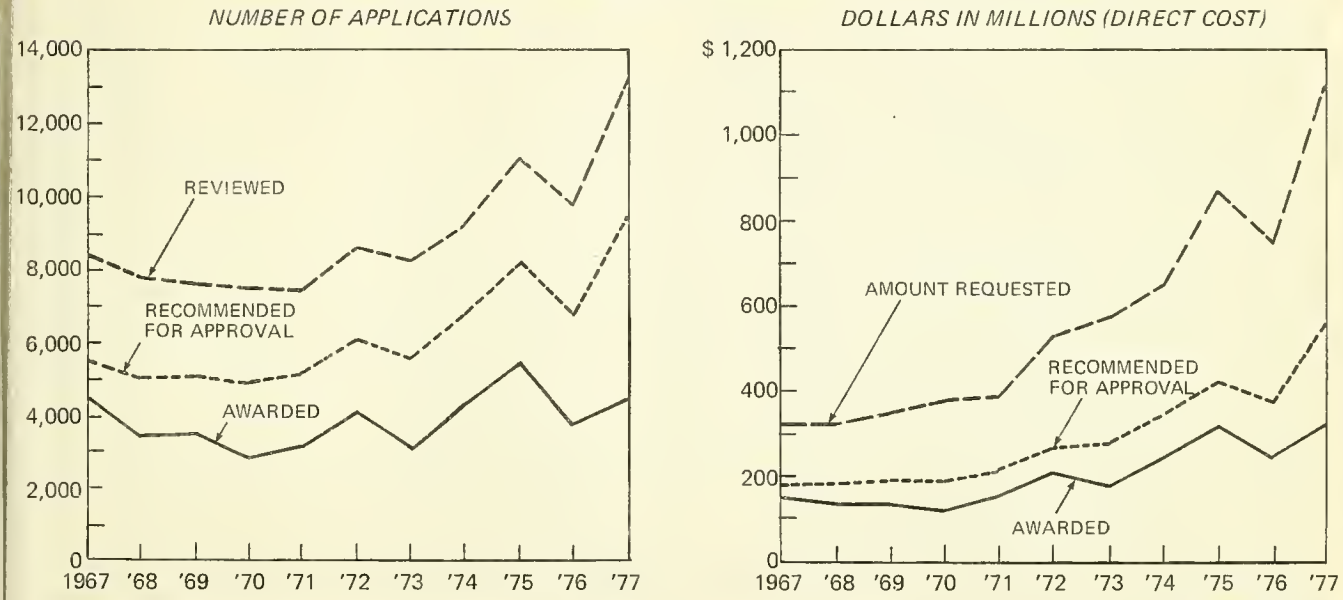
(Dollars in thousands)

NIH component	Total		Extramural support				Intramural support†	Started before 1976		Started in 1976	
	Number	Amount	Total	Research grants	R&D contracts *	Grants & contracts		Number	Amount	Number	Amount
Total	**921**	**$120,450**	**$112,394**	**$35,997**	**$73,920**	**$2,477**	**$8,056**	**592**	**$99,346**	**329**	**$21,104**
NIAID	142	4,815	4,022	1,943	2,063	16	793	104	3,140	38	1,675
NIAMDD	50	7,752	7,265	2,102	5,163	–	487	41	5,753	9	1,999
NCI	522	41,918	38,452	22,478	13,736	2,238	3,467	276	27,569	246	14,349
NICHD	52	5,986	5,833	2,429	3,275	129	153	39	4,528	13	1,458
NIDR	34	1,613	1,127	602	525	–	486	30	1,418	4	195
NEI	21	4,658	4,445	1,400	3,045	–	212	17	4,461	4	197
NHLBI	26	50,762	49,688	3,926	45,668	94	1,074	22	49,966	4	796
NINCDS	74	2,946	1,562	1,117	445	–	1,384	63	2,511	11	435

* Includes interagency agreements without intramural support. † Includes interagency agreements with intramural support.

Figure 3

NIH COMPETING RESEARCH GRANT APPLICATIONS REVIEWED BY COUNCILS, FISCAL YEARS 1967-1977*



*Excludes TQ. All years include RCPAs; exclude NLM, originals of amended applications, and applications awarded for budget periods of 24 months or more.

Table 24

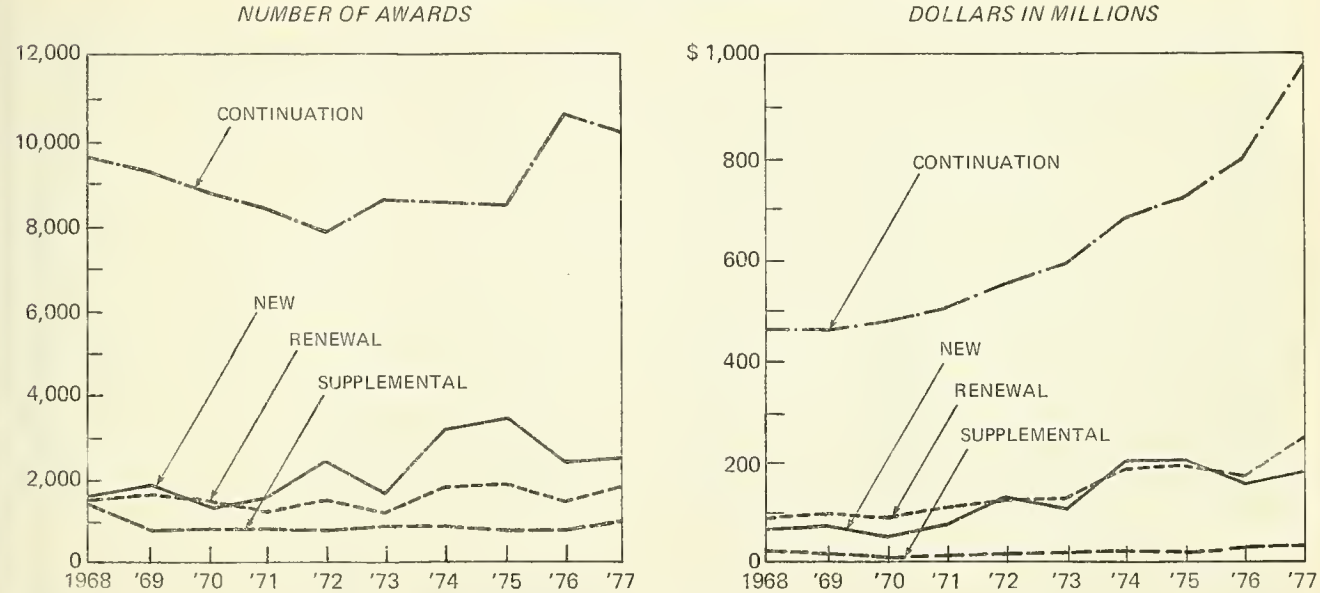
AWARD RATES FOR NIH COMPETING RESEARCH GRANT APPLICATIONS BY NIH COMPONENT, FISCAL YEARS 1967 AND 1977*

NIH component	Number						Amount (in thousands of dollars)†					
	Reviewed by councils		Percent recommended for approval		Percent of council recommendations awarded		Requested in reviewed applications		Percent recommended for approval		Percent of council recommendations awarded	
	1967	1977	1967	1977	1967	1977	1967	1977	1967	1977	1967	1977
Total	8,536	13,175	66.2%	71.9%	81.5%	48.0%	$331,553	$1,119,777	55.8%	50.7%	83.1%	58.0%
NIA	–	330	–	63.3	–	64.6	–	22,590	–	44.7	–	65.0
NIAID	905	1,053	71.2	80.4	85.7	33.6	26,447	57,131	65.0	63.2	88.2	41.0
NIAMDD	1,652	1,754	66.3	77.3	83.0	53.7	51,216	141,600	58.1	50.7	84.4	60.8
NCI	837	2,894	61.2	64.9	81.8	47.2	38,608	308,260	52.4	44.9	85.9	60.4
NICHD	782	1,179	54.1	65.1	81.1	42.0	30,074	80,752	43.5	52.0	81.1	52.9
NIDR	247	388	53.8	55.7	83.7	57.2	11,252	24,215	59.6	46.6	77.0	67.5
NIEHS	78	252	66.7	77.8	90.0	61.7	4,935	16,389	44.8	61.7	94.6	66.0
NEI	–	468	–	83.5	–	64.1	–	26,839	–	80.1	–	58.3
NIGMS	1,472	1,493	73.2	83.1	63.6	38.7	60,463	102,923	56.8	56.0	72.2	49.4
NHLBI	1,285	2,101	61.6	71.6	86.5	55.0	53,336	221,868	51.2	48.8	88.0	60.5
NINCDS	1,119	1,088	71.3	68.1	93.5	39.1	36,381	73,277	61.9	49.2	90.9	50.6
DRR	84	175	72.6	76.0	83.3	77.9	18,617	43,935	61.7	55.0	78.7	81.0
FIC	75	–	89.3	–	97.0	–	225	–	100.8	–	90.9	–

*Excludes NLM, applications with later amendments, and applications withdrawn prior to council review. Includes applications withdrawn subsequent to council review. Includes RCPAs. Applications awarded for budget periods of 24 months or more are included in computing rates of recommendations for approval but not award rates. FY 1977 data as of January 1978. †Direct costs only.

Figure 4

NIH RESEARCH GRANTS BY TYPE, FISCAL YEARS 1968-1977*



*Excludes TQ. Excludes NLM. Includes RCPAs. GRS programs included under Continuations.

Table 25
NIH RESEARCH GRANTS BY KIND AND TYPE, FISCAL YEAR 1977*
(Dollars in thousands)

Kind of grant	Total		New		Renewal (competing)		Continuation (noncompeting)		Supplemental† (competing and non-competing)			
									To current-year grants		To prior-year grants	
	Number†	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount	Number	Amount
Total	**15,687**	**$1,433,690**	**2,559**	**$185,547**	**1,848**	**$241,033**	**10,274**	**$972,247**	**142**	**$7,692**	**864**	**$27,173**
Research projects	12,954	852,810	2,236	137,367	1,665	144,820	8,211	556,362	97	2,285	745	11,976
Traditional (R01)	12,006	768,364	1,962	121,432	1,532	124,121	7,770	511,227	89	1,973	653	9,611
Other	948	84,446	274	15,935	133	20,699	441	45,135	8	312	92	2,365
Research career program awards	1,056	32,652	210	6,329	–	–	842	26,300	1	21	3	2
Research program projects (P01)	512	219,790	41	19,039	61	32,623	337	157,948	15	3,240	58	6,939
Research centers and resources	597	276,189	70	22,266	93	57,663	351	186,045	25	1,939	58	8,256
Specialized centers of research	212	98,080	19	8,096	37	21,515	114	61,615	14	864	28	5,990
Center core grants	131	77,250	9	3,154	23	21,877	86	51,025	7	811	6	383
General clinical research centers	83	46,728	1	305	11	6,129	70	40,194	–	–	1	100
Comprehensive centers of research	39	21,197	20	7,808	5	4,826	8	7,556	2	219	4	788
Animal resource grants	62	19,033	10	1,374	6	788	38	16,650	–	–	8	222
Biotechnology resource grants	55	12,552	6	1,274	9	2,343	29	8,347	2	45	9	543
Exploratory grants	15	1,349	5	275	2	185	6	658	–	–	2	230
Biomed. res. sup. & dev. grants (GRS)	467	40,673	–	–	–	–	467	40,673	–	–	–	–
Minority biomedical support grants	101	11,576	2	525	29	5,927	66	4,917	4	207	–	–

*Excludes NLM. †Each supplemental grant is counted separately.

Table 26

DIRECT AND INDIRECT COSTS AWARDED FOR NIH RESEARCH GRANTS BY TYPE OF PERFORMER, FISCAL YEARS 1971, 1973, 1975, AND 1977*

(In thousands of dollars)

Type of performer	FY 1971			FY 1973			FY 1975			FY 1977		
	Total cost	Direct cost	Indirect cost	Total cost	Direct cost	Indirect cost	Total cost	Direct cost	Indirect cost	Total cost	Direct cost	Indirect cost
Total	**$617,452**	**$488,641**	**$128,810**	**$785,664**	**$605,734**	**$179,931**	**$1,068,563**	**$807,968**	**$260,595**	**$1,348,789**	**$997,485**	**$351,304**
Public	281,722	219,988	61,734	345,419	265,988	79,431	480,582	368,532	112,050	589,499	447,957	141,542
Private	335,730	268,654	67,076	440,246	339,746	100,500	587,981	439,436	148,545	759,291	549,528	209,763
Higher education	502,205	395,096	107,108	635,974	487,609	148,365	863,776	650,740	213,036	1,076,354	794,377	281,978
Public	265,849	206,886	58,963	324,117	248,476	75,641	453,832	346,886	106,947	560,975	424,611	136,364
Private	236,356	188,210	48,145	311,858	239,133	72,724	409,944	303,855	106,089	515,380	369,766	145,614
Research institutes	47,807	37,546	10,262	62,429	46,562	15,867	94,361	68,539	25,821	134,199	94,875	39,324
Public	2,100	1,614	486	662	487	175	2,122	1,689	434	2,510	1,932	578
Private	45,707	35,932	9,775	61,767	46,075	15,692	92,238	66,851	25,388	131,688	92,943	38,746
Independent hospitals†	57,544	47,386	10,158	75,071	61,099	13,972	96,551	76,786	19,765	115,523	88,928	26,595
Public	9,632	7,736	1,896	14,899	12,084	2,815	19,695	15,713	3,982	18,056	14,401	3,655
Private	47,912	39,650	8,262	60,172	49,015	11,157	76,855	61,072	15,783	97,467	74,527	22,940
Other	9,896	8,614	1,282	12,190	10,464	1,726	13,875	11,903	1,973	22,713	19,306	3,408
Public	4,141	3,752	389	5,741	4,941	800	4,932	4,244	688	7,958	7,013	945
Private	5,755	4,861	894	6,449	5,523	926	8,944	7,659	1,285	14,756	12,292	2,463

*Excludes NLM, RCPAs, and GRS programs. †Includes government hospitals and those not owned by institutions shown above.

Table 27

GRANTEE EXPENDITURES FROM NIH RESEARCH GRANT FUNDS BY NIH COMPONENT AND KIND OF GRANT AND BY TYPE OF EXPENDITURE, FISCAL YEAR 1974*

(Dollars in thousands)

NIH component and kind of grant	Total	Direct cost expenditures								Indirect cost expenditures		
		Total amount	Percent distribution									
			Total	Personnel	Consultants	Patient care cost	Travel	Equipment	Supplies	Other	Amount	Percent of total	Percent of direct
Total of *A* or *B*	**$1,019,362**	**$794,834**	**100.0%**	**63.8%**	**0.4%**	**3.3%**	**1.4%**	**8.9%**	**15.0%**	**7.1%**	**$224,528**	**22.0%**	**28.2%**
A. NIH COMPONENT													
I/RD	1,018,103	793,852	100.0	63.8	0.4	3.3	1.4	8.9	15.0	7.1	224,250	22.0	28.2
NIA	2,770	2,101	100.0	66.4	1.3	0.2	1.6	6.2	18.0	6.2	668	24.1	31.8
NIAID	65,561	49,011	100.0	66.6	0.1	0.1	1.7	5.7	20.8	5.1	16,550	25.2	33.8
NIAMDD	112,775	85,431	100.0	65.4	0.2	1.0	1.3	8.3	18.0	5.7	27,345	24.2	32.0
NCI	214,799	164,936	100.0	62.9	0.9	3.4	1.7	7.8	15.5	7.9	49,862	23.2	30.2
NICHD	76,314	57,226	100.0	69.6	0.3	0.2	1.5	6.4	14.9	7.0	19,088	25.0	33.4
NIDR	23,927	17,681	100.0	73.5	0.5	0.2	1.6	6.0	14.0	4.3	6,246	26.1	35.3
NIEHS	15,473	11,472	100.0	70.1	0.3	0.0	1.4	9.2	14.5	4.4	4,001	25.9	34.9
NEI	28,177	21,019	100.0	68.4	0.3	0.4	1.3	10.1	14.6	5.0	7,158	25.4	34.1
NIGMS	106,585	79,641	100.0	64.9	0.2	0.3	1.4	9.8	17.6	5.8	26,945	25.3	33.8
NHLBI	168,641	128,188	100.0	65.1	0.3	1.5	1.4	7.4	14.7	9.5	40,452	24.0	31.6
NINCDS	80,743	60,845	100.0	65.3	0.3	1.0	1.5	11.0	15.4	5.5	19,898	24.6	32.7
DRR †	122,339	116,302	100.0	53.9	0.4	14.4	0.9	13.8	8.6	8.1	6,037	4.9	5.2
NLM	1,259	981	100.0	74.0	2.0	0.0	4.1	5.6	5.9	8.4	278	22.1	28.3
B. KIND OF GRANT													
Research projects†	600,693	452,799	100.0	65.9	0.4	0.4	1.7	8.1	17.7	5.8	147,894	24.6	32.7
Program projects and centers	371,562	294,927	100.0	61.9	0.4	8.2	0.9	7.8	11.3	9.4	76,634	20.6	26.0
GRS programs ‡	47,108	47,108	100.0	55.2	0.8	0.1	1.2	23.6	13.1	5.9	0	0	0

*Includes previous year's unobligated balances, excludes current year's. Contains supplements to current-year awards regardless of when funded. †Excludes RCPAs. ‡ Excludes FY 1973/74 GRS released funds.

Table 28

NIH SUPPORT FOR POSITIONS FUNDED FROM FISCAL YEAR 1975 RESEARCH GRANTS BY OCCUPATIONAL CATEGORY*

(Dollars in thousands)

Occupational category	Total				Research projects				Program projects and centers			
	Number of grants	Number of funded positions		Salary paid from grants	Number of grants	Number of funded positions		Salary paid from grants	Number of grants	Number of funded positions		Salary paid from grants
		Total	Average per grant			Total	Average per grant			Total	Average per grant	
Total	**11,965**	**83,885**	**7.0**	**$445,618**	**11,054**	**59,351**	**5.4**	**$275,621**	**911**	**24,534**	**26.9**	**$169,996**
Faculty	7,731	14,796	1.9	125,224	6,957	9,947	1.4	72,972	774	4,849	6.3	52,252
Nonfaculty (professional)	5,252	11,949	2.3	89,714	4,647	8,423	1.8	58,870	605	3,526	5.8	30,845
In training status	4,618	11,256	2.4	40,903	4,288	10,032	2.3	35,201	330	1,224	3.7	5,703
Clinical support	418	1,910	4.6	12,207	231	537	2.3	2,389	187	1,373	7.3	9,817
Technical staff	8,918	30,051	3.4	135,147	8,117	21,196	2.6	84,969	801	8,855	11.0	50,177
Clerical & administrative	4,568	9,111	2.0	33,220	3,803	5,941	1.6	16,528	765	3,170	4.1	16,692
Other staff	1,663	4,812	2.9	9,203	1,424	3,275	2.3	4,692	239	1,537	6.4	4,511

* Includes NLM. Excludes RCPAs, GRS programs, foreign grants, supplemental awards, and fringe benefits. Includes individuals supported for short periods.

Table 29

NUMBER OF PERSONS IN NIH RESEARCH TRAINING PROGRAMS BY ACADEMIC LEVEL AND BY NIH COMPONENT AND KIND OF AWARD, FISCAL YEARS 1973-1977*

Fiscal year and academic level	Total NIH			NIA			NIAID			NIAMDD		
	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l
1973	12,692	1,233	11,459	–	–	–	898	41	857	884	123	761
Postdoctoral	5,466	1,042	4,424	–	–	–	342	41	301	828	122	706
M.D.	3,612	337	3,275	–	–	–	180	11	169	660	38	622
Ph.D.	1,854	705	1,149	–	–	–	162	30	132	168	84	84
Predoctoral	7,226	191	7,035	–	–	–	556	–	556	56	1	55
1974	14,218	2,267	11,951	–	–	–	982	112	870	891	293	598
Postdoctoral	6,313	2,154	4,159	–	–	–	406	111	295	839	292	547
M.D.	3,522	616	2,906	–	–	–	187	42	145	569	102	467
Ph.D	2,791	1,538	1,253	–	–	–	219	69	150	270	190	80
Predoctoral	7,905	113	7,792	–	–	–	576	1	575	52	1	51
1975	13,030	2,056	10,974	5	–	5	754	211	543	637	191	446
Postdoctoral	5,829	2,024	3,805	5	–	5	442	211	231	592	191	401
M.D.	2,796	440	2,356	–	–	–	181	44	137	412	72	340
Ph.D	3,033	1,584	1,449	5	–	5	261	167	94	180	119	61
Predoctoral	7,201	32	7,169	–	–	–	312	–	312	45	–	45
1976	10,661	1,652	9,009	151	22	129	628	185	443	141	87	54
Postdoctoral	4,791	1,639	3,152	60	22	38	419	185	234	130	87	43
M.D.	1,915	370	1,545	3	–	3	195	41	154	52	17	35
Ph.D	2,876	1,269	1,607	57	22	35	224	144	80	78	70	8
Predoctoral	5,870	13	5,857	91	–	91	209	–	209	11	–	11
1977†	10,541	1,975	8,566	169	28	141	455	144	311	603	179	424
Postdoctoral	5,224	1,970	3,254	80	28	52	361	144	217	565	179	386
M.D.	NA	407	NA	NA	1	NA	NA	34	NA	NA	60	NA
Ph.D	NA	1,563	NA	NA	27	NA	NA	110	NA	NA	119	NA
Predoctoral	5,317	5	5,312	89	–	89	94	–	94	38	–	38

*Based on year of funding. Persons training under individual awards are full-time; those training under institutional grants are full- or part-time. "M.D." and "Ph.D." also contain equivalent doctorates. Persons holding both M.D. and Ph.D. or equivalent are under "M.D." Table excludes TQ. †Number of persons under institutional grants is estimated.

(Continued)

Table 29 (Cont.)

NUMBER OF PERSONS IN NIH RESEARCH TRAINING PROGRAMS BY ACADEMIC LEVEL AND BY NIH COMPONENT AND KIND OF AWARD, FISCAL YEARS 1973-1977*

Fiscal year and academic level	NCI			NICHD			NIDR			NIEHS			NEI		
	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l
1973	1,008	91	917	773	44	729	341	38	303	254	3	251	230	57	173
Postdoctoral	618	91	527	257	44	213	204	37	167	49	3	46	211	54	157
M.D.	401	25	376	100	15	85	174	28	146	8	1	7	153	14	139
Ph.D	217	66	151	157	29	128	30	9	21	41	2	39	58	40	18
Predoctoral	390	–	390	516	–	516	137	1	136	205	–	205	19	3	16
1974	1,505	405	1,100	1,188	200	988	402	71	331	263	42	221	289	104	185
Postdoctoral	975	405	570	447	199	248	247	70	177	65	42	23	245	104	141
M.D.	487	84	403	164	52	112	180	32	148	5	2	3	150	31	119
Ph.D.	488	321	167	283	147	136	67	38	29	60	40	20	95	73	22
Predoctoral	530	–	530	741	1	740	155	1	154	198	–	198	44	–	44
1975	1,578	373	1,205	956	128	828	317	58	259	312	31	281	237	74	163
Postdoctoral	979	373	606	354	128	226	221	58	163	92	31	61	188	74	114
M.D.	352	49	303	122	24	98	142	24	118	5	2	3	72	17	55
Ph.D.	627	324	303	232	104	128	79	34	45	87	29	58	116	57	59
Predoctoral	599	–	599	602	–	602	96	–	96	220	–	220	49	–	49
1976	1,460	193	1,267	802	162	640	293	59	234	238	18	220	283	85	198
Postdoctoral	889	193	696	346	162	184	217	59	158	84	18	66	225	85	140
M.D.	249	29	220	127	31	96	135	27	108	5	2	3	65	15	50
Ph.D.	640	164	476	219	131	88	82	32	50	79	16	63	160	70	90
Predoctoral	571	–	571	456	–	456	76	–	76	154	–	154	58	–	58
1977†	1,490	335	1,155	752	113	639	240	42	198	304	33	271	321	95	226
Postdoctoral	962	335	627	315	113	202	190	42	148	138	33	105	253	95	158
M.D.	NA	42	NA	NA	20	NA	NA	17	NA	NA	1	NA	NA	19	NA
Ph.D.	NA	293	NA	NA	93	NA	NA	25	NA	NA	32	NA	NA	76	NA
Predoctoral	528	–	528	437	–	437	50	–	50	166	–	166	68	–	68

See footnotes at beginning of table.

(Continued)

Table 29 (Cont.)

NUMBER OF PERSONS IN NIH RESEARCH TRAINING PROGRAMS BY ACADEMIC LEVEL AND BY NIH COMPONENT AND KIND OF AWARD, FISCAL YEARS 1973-1977*

Fiscal year and academic level	NIGMS			NHLBI			NINCDS			ORR			FIC
	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Total	Indiv.	Inst'l	Indiv.
1973	6,028	520	5,508	1,132	71	1,061	1,025	143	882	21	4	17	98
Postdoctoral	1,143	337	806	825	68	757	871	143	728	20	4	16	98
M.D.	474	31	443	677	27	650	695	73	622	19	3	16	71
Ph.D.	669	306	363	148	41	107	176	70	106	1	1	–	27
Predoctoral	4,885	183	4,702	307	3	304	154	–	154	1	–	1	–
1974	6,158	406	5,752	1,317	202	1,115	1,009	241	768	35	12	23	179
Postdoctoral	1,108	304	804	934	197	737	835	240	595	34	12	22	178
M.D.	398	25	373	683	70	613	549	48	501	31	9	22	119
Ph.D.	710	279	431	251	127	124	286	192	94	3	3	–	59
Predoctoral	5,050	102	4,948	383	5	378	174	1	173	1	–	1	1
1975	6,001	407	5,594	1,193	202	991	872	229	643	18	2	16	150
Postdoctoral	1,143	378	765	900	200	700	746	229	517	18	2	16	149
M.D.	373	22	351	567	65	502	454	21	433	18	2	16	98
Ph.D.	770	356	414	333	135	198	292	208	84	–	–	–	51
Predoctoral	4,858	29	4,829	293	2	291	126	–	126	–	–	–	1
1976	4,769	207	4,562	1,188	235	953	535	239	296	16	3	13	157
Postdoctoral	823	194	629	953	235	718	472	239	233	16	3	13	157
M.D.	286	14	272	532	73	459	149	17	132	16	3	13	101
Ph.D.	537	180	357	421	162	259	323	222	101	–	–	–	56
Predoctoral	3,946	13	3,933	235	–	235	63	–	63	–	–	–	–
1977†	4,430	323	4,107	1,118	190	928	444	299	145	23	2	21	192
Postdoctoral	817	318	499	920	190	730	408	299	109	23	2	21	192
M.D.	NA	11	NA	NA	60	NA	NA	31	NA	NA	2	NA	109
Ph.D.	NA	307	NA	NA	130	NA	NA	268	NA	NA	–	NA	83
Predoctoral	3,613	5	3,608	198	–	198	36	–	36	–	–	–	–

See footnotes at beginning of table.

Table 30

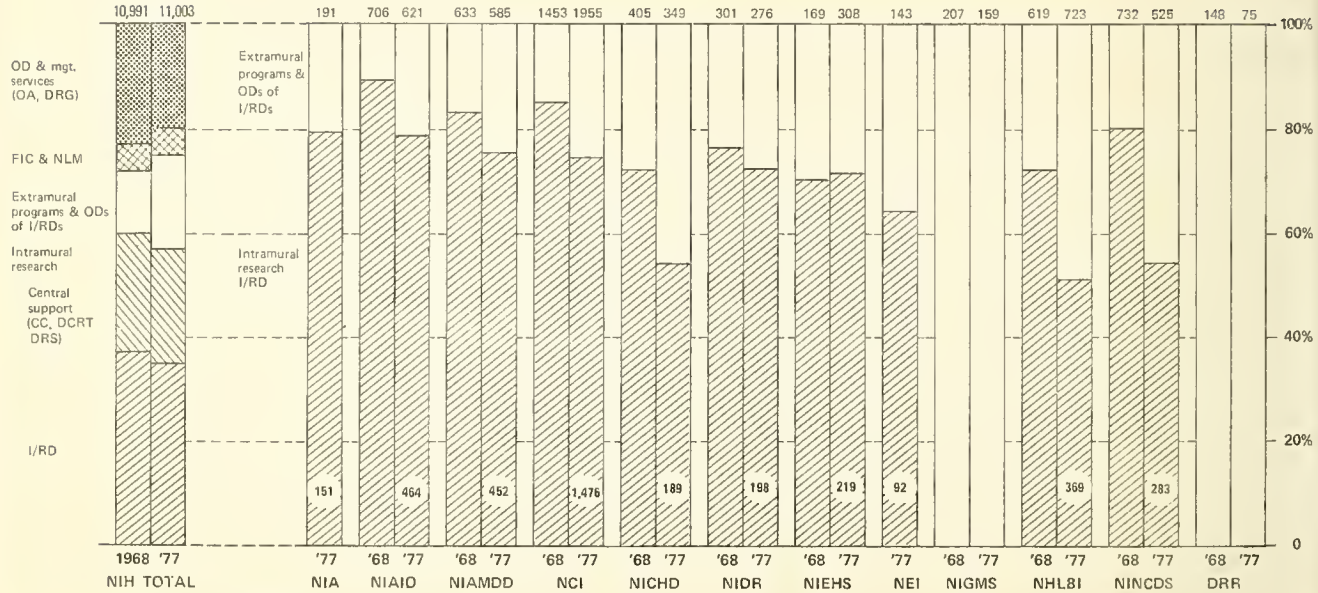
NIH PERSONNEL BY TYPE OF OCCUPATION AND DEGREE HELD AND BY PAY SYSTEM, SEPTEMBER 30, 1977*

Type of occupation and degree held	Total	Permanent full-time					Other than permanent full-time	
		Total		Civil Service	Commissioned officer corps	Staff fellows & visiting scientists		
		Number	Percent				Number	Percent
Total	**12,238**	**11,003**	**89.9%**	**9,515**	**988**	**500**	**1,235**	**10.1%**
Doctorate	2,377	2,270	95.5	1,034	803	433	107	4.5
M.D.†	1,006	971	96.5	188	676	107	35	3.5
Ph.D.	1,221	1,167	95.6	796	51	320	54	4.4
Other	150	132	88.0	50	76	6	18	12.0
Other than doctorate	9,861	8,733	88.6	8,481	185	67	1,128	11.4
Professional & scientific	4,579	4,232	92.4	2,751	981	500	347	7.6
M.D.†	1,003	971	96.8	188	676	107	32	3.2
Ph.D.	1,207	1,154	95.6	784	50	320	53	4.4
Other doctorate	146	129	88.4	47	76	6	17	11.6
Other	2,223	1,978	89.0	1,732	179	67	245	11.0
Sub-professional & tech. support	1,730	1,565	90.5	1,565	—	—	165	9.5
M.D.†	2	—	—	—	—	—	2	100.0
Ph.D.	—	—	—	—	—	—	—	—
Other doctorate	2	1	50.0	1	—	—	1	50.0
Other	1,726	1,564	90.6	1,564	—	—	162	9.4
Admin., clerical & office services	4,642	3,982	85.8	3,975	7	—	660	14.2
M.D.†	1	—	—	—	—	—	1	100.0
Ph.D.	14	13	92.9	12	1	—	1	7.1
Other doctorate	2	2	100.0	2	—	—	—	—
Other	4,625	3,967	85.8	3,961	6	—	658	14.2
Plant operation & maintenance	1,287	1,224	95.1	1,224	—	—	63	4.9
Other	1,287	1,224	95.1	1,224	—	—	63	4.9

*Excludes consultants, council members, and personnel exempt from ceilings. †Includes M.D.s with other doctorate.

Figure 5

NIH PERMANENT FULL-TIME PERSONNEL BY NIH COMPONENT AND FUNCTION, 6/30/68 AND 9/30/77*



*As of ends of fiscal years. Excludes consultants, council members, and personnel exempt from ceilings.

CHRONOLOGY OF IMPORTANT EVENTS IN THE DEVELOPMENT OF NIH PROGRAMS

1887 Research laboratory founded at Marine Hospital, Staten Island, N.Y., to meet new responsibilities of Marine Hospital Service.

1891 Hygienic Laboratory moves from Staten Island to Service headquarters, Washington, D.C.

1902 Advisory Board for the Hygienic Laboratory established; later to become National Advisory Health Council. Act of Congress makes Service responsible for biologics control.

1912 Name of Public Health & Marine Hospital Service changed to Public Health Service (PHS).

1930 Hygienic Laboratory becomes National Institute of Health (NIH) under the Ransdell Act, 5/26.

1937 Congress authorizes National Cancer Institute (NCI), 8/15. First research grants.

1938 National Institute of Health moves to land donated by Mr. and Mrs. Luke I. Wilson at Bethesda, Md. First research fellowships (NCI).

1944 Public Health Service Act, giving general research authority, 7/1.

1945 Research grants extended, with central NIH responsibility.

1946 Division of Research Grants (DRG) established to review and evaluate applications for NIH grants to non-Federal institutions and scientists.

1947 First training grants (NCI). DRG starts research fellowship program.

1948 National Heart Institute authorized; other laboratories regrouped to form National Microbiological Institute (NMI), Experimental Biology & Medicine Institute (EBMI), and National Institute of Dental Research (NIDR). NIH becomes National *Institutes* of Health (NIH), 6/16.

1949 Mental hygiene program of Public Health Service transferred to NIH and expanded to become National Institute of Mental Health (NIMH).

1950 "Omnibus Medical Research Act," 8/15. National Institute of Neurological Diseases & Blindness (NINDB) and National Institute of Arthritis & Metabolic Diseases (NIAMD) established, the latter absorbing EBMI.

1953 Public Health Service becomes a constituent of newly created Department of Health, Education, & Welfare (DHEW). Clinical Center opens.

1955 NMI becomes National Institute of Allergy & Infectious Diseases (NIAID). Division of Biologics Standards formed, assuming NMI's biologics control function. Division of Research Services (DRS) created.

1956 Health Research Facilities Act, authorizing program of matching grants for research construction in non-Federal institutions.

1958 Division of General Medical Sciences (DGMS) created.

1960 PHS Act amended to provide for general support of research and research training programs in nonprofit institutions. International Health Research Act extends NIH international programs.

1962 Division of Research Facilities & Resources (DRFR) formed. National Library of Medicine (NLM), constituent of PHS since 1956, moves to NIH reservation.

1963 Two Institutes (authorized in 1962) established — National Institute of General Medical Sciences (NIGMS), superseding DGMS, and National Institute of Child Health & Human Development (NICHD).

1964 Division of Computer Research and Technology (DCRT) established.

1965 Division of Regional Medical Programs (DRMP) created to administer the "Heart Disease, Cancer, and Stroke Amendments of 1965."

1966 Division of Environmental Health Sciences (DEHS) established.

1967 National Institute of Mental Health becomes separate bureau of PHS, 1/1.

1968 John E. Fogarty International Center for Advanced Study in the Health Sciences (FIC) established. National Eye Institute (NEI) created. NINDB becomes National Institute of Neurological Diseases & Stroke (NINDS).

PHS reorganized under Assistant Secretary for Health & Scientific Affairs, DHEW. Bureau of Health Manpower (BHM), formed in PHS the previous year, and NLM become constituents of NIH, 4/1. DRMP transferred to new Health Services & Mental Health Administration, PHS. Lister Hill National Center for Biomedical Communications established at NLM.

1969 DEHS becomes National Institute of Environmental Health Sciences (NIEHS). National Heart Institute renamed National Heart & Lung Institute (NHLI).

1970 Family Planning Services and Population Research Act.

1971 National Cancer Program established. Sickle Cell Disease Program initiated in NHLI.

1972 NIAMD becomes National Institute of Arthritis, Metabolism & Digestive Diseases (NIAMDD). National Heart, Blood Vessel, Lung, & Blood Disease Program established. Division of Biologics Standards transferred to Food & Drug Admininstration (FDA-PHS), where it becomes Bureau of Biologics, 7/1. NCI and NHLI gain bureau status within NIH. National Cooley's Anemia Control Act.

1973 PHS reorganization establishes new agencies: Health Resources Administration (HRA), Health Services Administration (HSA), Center for Disease Control (CDC), and Alcohol, Drug Abuse, & Mental Health Administration (ADAMHA). Bureau of Health Manpower Education (BHME, formerly BHM) transferred to HRA, 7/1. (See current organization chart, page i.)

1974 Sudden Infant Death Syndrome Act. National Institute on Aging (NIA) established, 5/31. National Research Act revises research training authority and establishes national commission for protection of human subjects. National Diabetes Mellitus Research & Education Act. President's Biomedical Research Panel established.

1975 National Arthritis Act. NINDS becomes National Institute of Neurological & Communicative Disorders & Stroke (NINCDS). National commissions established for epilepsy and Huntington's disease.

1976 NHLI becomes National Heart, Lung, & Blood Institute (NHLBI). Advisory boards created for diabetes and arthritis. National commission on digestive diseases established.

ABBREVIATIONS

AEC — Atomic Energy Commission
ADAMHA — Alcohol, Drug Abuse, & Mental Health Administration
A & S — arts & sciences
BHM — Bureau of Health Manpower
BHME — Bureau of Health Manpower Education
CC — Clinical Center
CDC — Center for Disease Control
DBS — Division of Biologics Standards
DCRT — Division of Computer Research & Technology
DEHS — Division of Environmental Health Sciences
DGMS — Division of General Medical Sciences
DHEW — Department of Health, Education, & Welfare
DLA — Division of Legislative Analysis
DoD — Department of Defense
DPA — Division of Program Analysis
DRFR — Division of Research Facilities & Resources
DRG — Division of Research Grants
DRMP — Division of Regional Medical Programs
DRR — Division of Research Resources
DRS — Division of Research Services
EBMI — Experimental Biology & Medicine Institute
ED — Engineering Division
EPA — Environmental Protection Agency
ERDA — Energy Research & Development Administration
FDA — Food & Drug Administration
FFRDC — federally funded research and development center
FIC — John E. Fogarty International Center for Advanced Study in the Health Sciences
FY — fiscal year: 10/1 - 9/30 starting 10/1/76 (FY 1977); formerly 7/1 - 6/30 (see TQ)
GRS — general research support grants to institutions
GR&S — general research and services, NIH appropriation
HCFA — Health Care Financing Administration
HRA — Health Resources Administration
HRF — health research facilities construction program
HSA — Health Services Administration
HSMHA — Health Services & Mental Health Administration
I/RD — Institutes & Research Divisions
NA — not available
NASA — National Aeronautics & Space Administration
NBS — National Bureau of Standards
NCI — National Cancer Institute
NEI — National Eye Institute
NHI — National Heart Institute
NHLBI — National Heart, Lung, & Blood Institute
NHLI — National Heart & Lung Institute
NIA — National Institute on Aging

NIAID — National Institute of Allergy & Infectious Diseases
NIAMD — National Institute of Arthritis & Metabolic Diseases
NIAMDD — National Institute of Arthritis, Metabolism & Digestive Diseases
NICHD — National Institute of Child Health & Human Development
NIDR — National Institute of Dental Research
NIEHS — National Institute of Environmental Health Sciences
NIGMS — National Institute of General Medical Sciences
NIH — National Institute of Health or (since 6/16/48) National *Institutes* of Health
NIMH — National Institute of Mental Health
NINCDS — National Institute of Neurological & Communicative Disorders & Stroke
NINDB — National Institute of Neurological Diseases & Blindness
NINDS — National Institute of Neurological Diseases & Stroke
NLM — National Library of Medicine
NMI — National Microbiological Institute
NRSA — national research service awards
NSF — National Science Foundation
OA — Office of Administration, NIH
OD — Office of the Director, NIH
OE — operating expenses, NIH appropriation
OIR — Office of International Research
OPPE — Office of Program Planning & Evaluation, NIH
PHS — Public Health Service
RCPAs — research career program awards
R&D — research & development
R01 — DRG code for traditional research project grants
P01 — DRG code for research program project grants
SRS — Social Rehabilitation Service
SSA — Social Security Administration
TQ — transition quarter between old FY ending 6/30/76 and new FY beginning 10/1/76
VA — Veterans Administration

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